

# WESTON SPER

River Center, 111 North Canal Street, 8th Floor, Suite 855,  
Chicago, IL 60606 • (312) 993-1067

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION  
EPA CONTRACT 68-01-7367

Mr. Michael Strimbu  
Deputy Project Officer  
Emergency Response Section  
Western Response Unit  
U.S. Environmental Protection Agency  
11th Floor  
230 South Dearborn Street  
Chicago, Illinois 60604

June 25, 1987

TAT-05-G2-00088

EPA Region 5 Records Ctr.

Re: Accra Pac PRP Removal Monitoring  
Elkhart, Indiana  
TDD# 5-8702-15

224121

Dear Mr. Strimbu:

The U.S. Environmental Protection Agency (U.S. EPA) on February 1, 1987, tasked the Technical Assistance Team (TAT) to monitor the Potential Responsible Party (PRP) removal actions at the former Accra Pac site located at 2600 Industrial Parkway, Elkhart, Indiana (Figure 1). The site is currently owned by the estate of Warner Baker and the estate has undertaken the responsibility of the clean up actions. This interim report provides a brief site history and documents clean up procedures to date.

The site, formerly operated as an aerosol packing plant, has sat idle since January, 1976, when an explosion leveled the facility and released solvents and pesticides stored in surface tanks (U.S. Geological Survey, Water Resources Investigations 81-53). At the time of the explosion, no containment procedures for fluid run off were instituted, nor were any clean up measures enacted. Warner Baker bought the property in January, 1977, for the purpose of redeveloping the site for industrial use. The site, at the time of the transaction, was comprised of a cement slab and thirteen underground storage tanks on a parcel of land approximately 400 feet by 400 feet.

Residential water wells northwest of the site were found in May, 1985, to contain elevated levels of trichloroethylene (TCE). This area of contamination, referred to as the East Jackson area, consists of one or more contamination plumes. The affected area was large enough to warrant the extension of water mains to connect the individual residences to the Elkhart water supply.

In a subsequent, unrelated action in August, 1985, the U.S. EPA tasked the TAT to assess the threats to public health and the environment posed by the thirteen underground storage tanks at the former Accra Pac site. The close proximity of the site to the East Jackson area led the U.S. EPA On-Scene Coordinator (OSC)

Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Associates, Inc., Resource Applications, Inc., Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.

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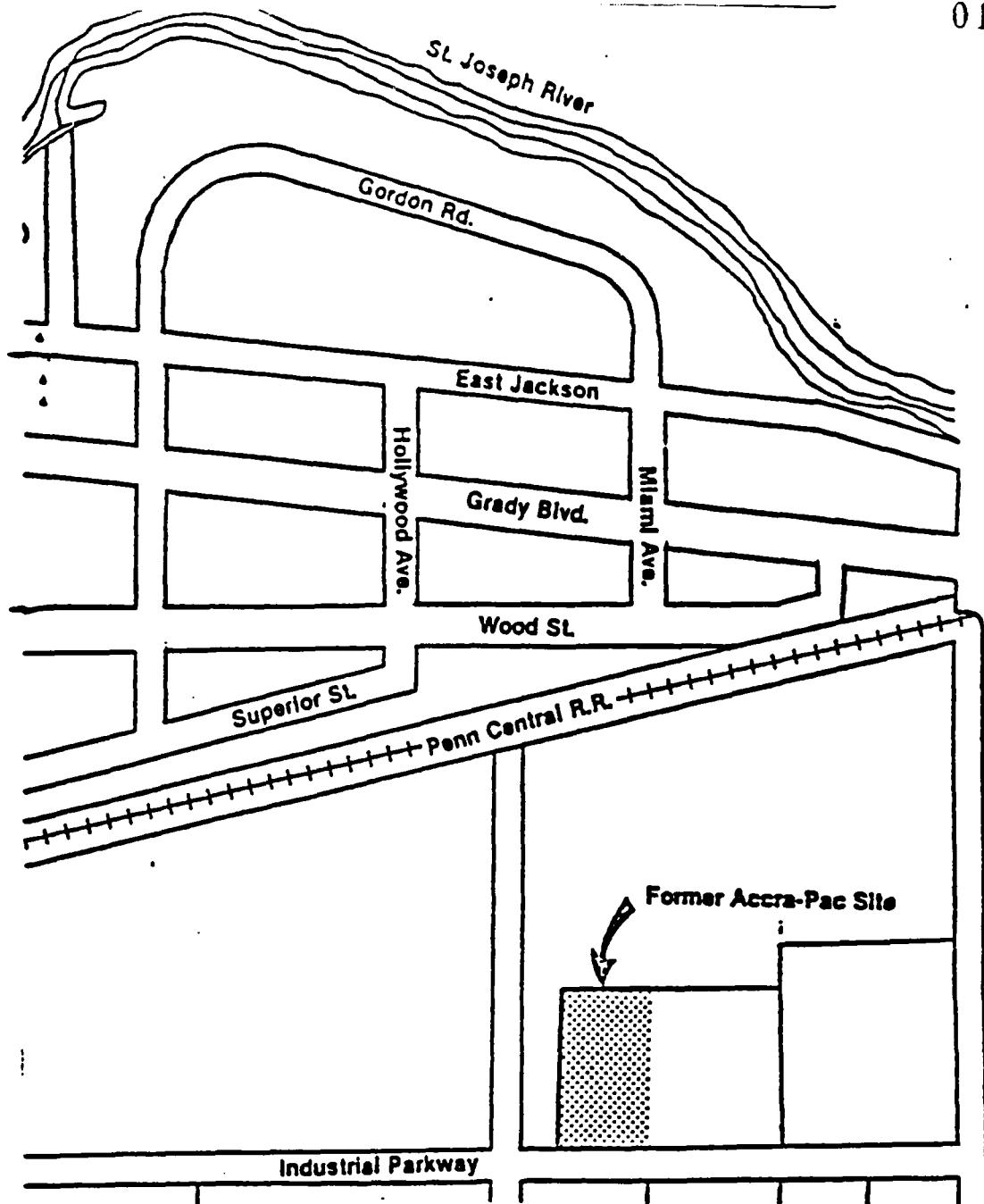
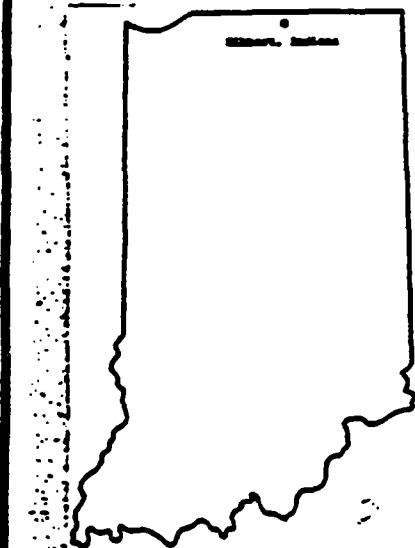


FIGURE 1



## SITE LOCATION MAP



NO SCALE

ROY F. WESTON, INC.

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ENVIRONMENTAL CONSULTANTS DESIGNERS

DRAWN RGF	DATE 06/15/87	PCS # 1025
APPROVED SAW	6/15/87	TDD # 5-8702-15

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to suspect the site as a possible contributor to the East Jackson contamination. The site assessment identified the soils adjacent to the tanks as being contaminated based on visual staining and monitored total organic vapor levels in excess of 100 ppm. The soil samples and fluid samples from the tanks collected by the TAT indicated the presence of volatile organic compounds (VOCs). The confirmation of the contamination prompted the U.S. EPA to issue a consent order which was signed by Warner Baker. The consent order entailed the removal, transportation, and disposal of the tank contents; the decontamination and destruction of the tanks; sampling of the soil and water; installation of ground water monitoring wells; and, if warranted, removal of contaminated soils.

The initial task of the removal action was to transfer the fluids from the underground storage tanks to tanker transports for shipment to Liquid Waste Disposal (LWD), Calvert City, Kentucky, for disposal. Approximately 33,500 gallons were shipped to LWD. Copies of the hazardous waste manifests are included in this report (Attachment A).

The tank excavation commenced December 8, 1986, in the area containing tanks T-101 - T-107 (Figure 2). Contaminated soil was encountered while exhuming T-106 and T-107 at a depth of approximately 9 feet. This depth also marked the top of the saturated zone. The contamination, measured with an HNU Systems Photoionization Analyzer (HNU) registered between 1 and 4 ppm. The contaminated fill material remained in the excavation pit to ensure containment. As the remaining tanks were removed from the pit, a thin veneer of soil was spread atop the contaminated soils to minimize release of VOCs. The pit created by the removal of these tanks is Pit A.

The loading docks present at the site served as holding areas and decontamination pads for the exhumed tanks. The adverse seasonal weather conditions prevented the contractor from decontaminating and scrapping the tanks. The TAT scanned the tanks staged in the loading dock and recorded organic vapor levels of 4 ppm - 12 ppm emanating from the attached soils. Tanks T-110 - T-113 were contained in Pit B on the southwest portion of the site. The fill material in Pit B, a dark sandy soil with a high organic content, differed from the light-colored clean sands found in Pit A. The fill in Pit B also exhibited evidence of staining and emitted organic vapors with levels exceeding 50 ppm.

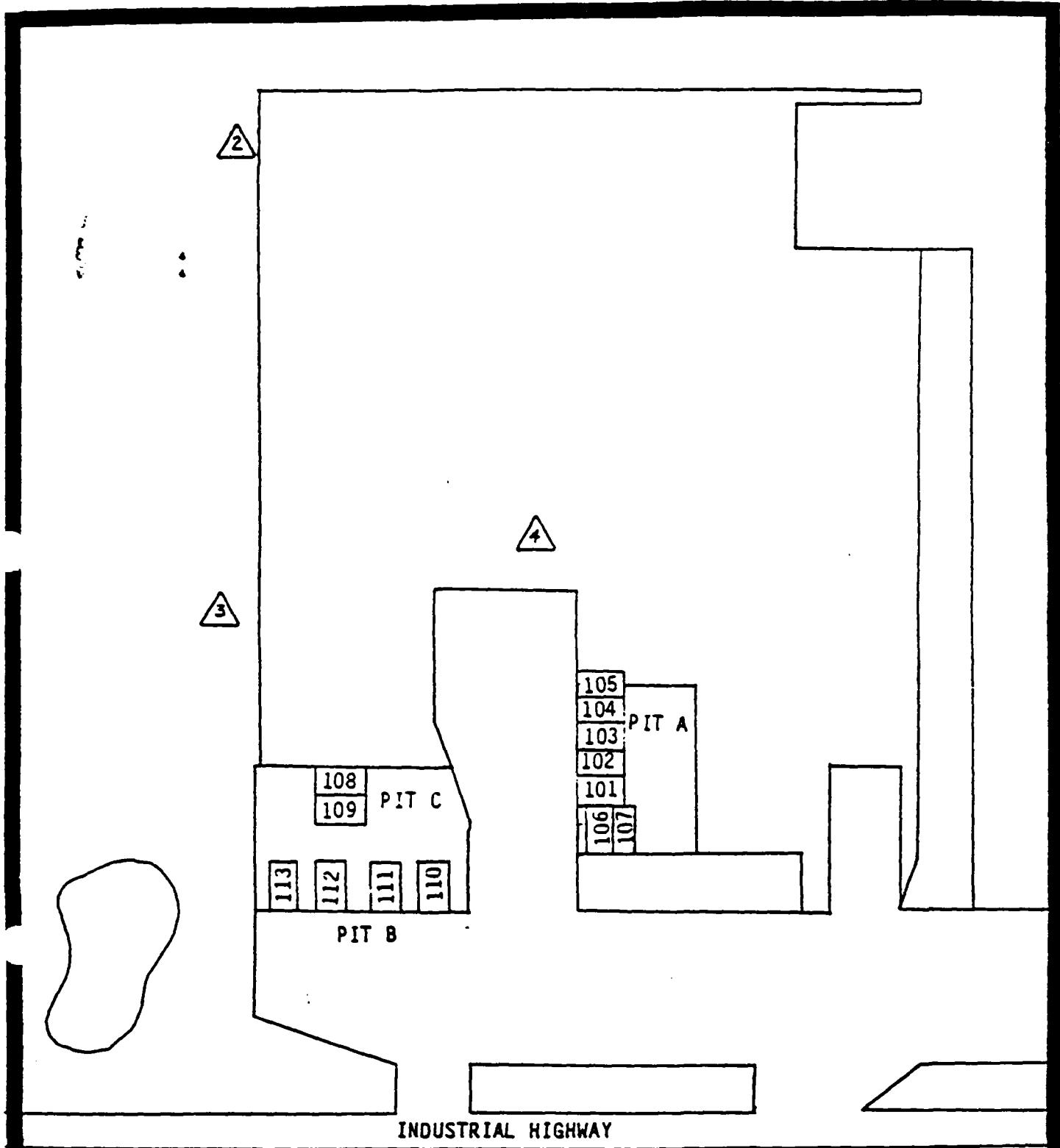


FIGURE 2

## SITE MAP

FORMER ACCRA PAC SITE

ELKHART, INDIANA

Not to scale.

1



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Pit C, the area that contained T-108 and T-109 had fill material similar to Pit B, however, the vapor readings exceeded 200 ppm. The soil was also noticeably moist and appeared to have a higher degree of staining.

A sampling program at the former Accra Pac site was administered in multiple phases. The first phase consisted of soil and water samples from Pits A, B, and C, and the soil piles created by unearthing the tanks. Although the PRP secured their own laboratory for analysis, the TAT analyzed selected split samples for quality assurance/quality control (QA/QC) purposes under TAT Special Project TDD# 5-8612-S5. The PRP analytical results are briefly summarized below and are followed by the TAT sample splits.

#### PRP Soil Samples

Pit A:	Tetrachloroethylene (PCE)	-	33,780 ppb
	1,1,1-Trichloroethane (1,1,1-TCA)	-	12,520 ppb
	1,1-Dichloroethane (1,1-DCA)	-	310 ppb
	Acetone	-	12,740 ppb
Pit B:	1,1,1-TCA	-	10,510 ppb
	Toluene	-	19,990 ppb
	Acetone	-	50,780 ppb
	Ethylbenzene	-	97,400 ppb
	Xylenes	-	712,300 ppb
Pit C:	PCE	-	1,660 ppb
	1,1,1-TCA	-	27,879,000 ppb
	1,1-DCE	-	5,690 ppb
	1,1-DCA	-	10,500 ppb
	Acetone	-	30,940 ppb
	Toluene	-	1,612,700 ppb
	Ethylbenzene	-	695,800 ppb
	Xylenes	-	1,876,800 ppb
	Trichlorofluoromethane	-	1,115,400 ppb
	Benzene	-	4,150 ppb

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PRP Water Samples

Pit A:	PCE	-	236	ppb
	1,1,1-TCA	-	19,181	ppb
	1,1-DCE	-	580	ppb
	t-1,2-DCE	-	1,716	ppb
	1,1-DCA	-	4,684	ppb
	Methylene chloride	-	465	ppb
	Trichlorofluoromethane	-	4,731	ppb
	Trichloroethene	-	37	ppb
Pit B:	1,1,1-TCA	-	385	ppb
	Toluene	-	1,335	ppb
	Xylenes	-	11,280	ppb
	Ethylbenzene	-	365	ppb
	1,1-DCA	-	50	ppb
Pit C:	1,1,1-TCA	-	307,400	ppb
	1,1-DCA	-	3,800	ppb
	Toluene	-	101,700	ppb
	Ethylbenzene	-	11,400	ppb
	Xylenes	-	44,350	ppb
	Benzene	-	600	ppb
	Chlorobenzene	-	500	ppb
	Trichlorofluoromethane	-	42,650	ppb

TAT Soil Samples

Pit B:	1,1,1-TCA	-	3,400	ppb
	Toluene	-	4,600	ppb
	Ethylbenzene	-	30,000	ppb
	Total Xylenes	-	430,000	ppb
Pit C:	1,1,1-TCA	-	19,000	ppb
	1,1-DCE	-	20,000	ppb
	t-1,2-DCE	-	110,000	ppb
	1,2-DCA	-	2,000,000	ppb
	Toluene	-	700,000	ppb
	Ethylbenzene	-	2,100,000	ppb
	Total Xylenes	-	11,000	ppb
	Methylene Chloride	-		

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TAT Water Samples

Pit C:	1,1,1-TCA	-	130,000 ppb
	1,1-DCE	-	600 ppb
	1,1-DCA	-	2,700 ppb
	Acetone	-	2,400 ppb
	Toluene	-	81,000 ppb
	Ethylbenzene	-	7,800 ppb
	Total Xylenes	-	31,000 ppb
	Benzene	-	600 ppb
	Methylene Chloride	-	1,200 ppb

The high degree of contamination in the water samples from Pits A, B, and C, necessitated further evaluation of the shallow ground water aquifer. Ground water monitoring wells were installed the week of January 5, 1987. Constructed of stainless steel casing, the wells were developed and sampled immediately following completion of drilling. The samples were analyzed by Gulf Coast Labs. The analytical results from the wells are listed below.

## Monitor Well No. 1:

1,1,1-TCA	-	400 ppb
1,1-DCA	-	230 ppb

## Monitor Well No. 2:

PCE	-	90 ppb
1,1,1-TCA	-	3,700 ppb
1,1-DCA	-	810 ppb
Trichlorofluoromethane	-	150 ppb
t-1,2-DCE	-	110 ppb
Dichlorofluoromethane	-	130 ppb

## Monitor Well No. 3:

PCE	-	5.5 ppb
1,1,1-TCA	-	5,200 ppb
1,1-DCA	-	1,550 ppb
1,1-DCE	-	60 ppb
Trichlorofluoromethane	-	260 ppb
t-1,2-DCE	-	300 ppb
Dichlorofluoromethane	-	260 ppb

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**Monitor Well No. 4:**

PCE	-	60 ppb
1,1,1-TCA	-	9,700 ppb
1,1-DCA	-	1,500 ppb
Total Xylenes	-	680 ppb
Toluene	-	470 ppb
1,1-DCE	-	90 ppb
Ethylbenzene	-	90 ppb
Trichlorofluoromethane	-	320 ppb
t-1,2-DCE	-	850 ppb
Dichlorofluoromethane	-	210 ppb

The flow direction of the ground water is north-northwest according to the U.S. Geological Survey. MW #4, MW #3, and MW #2 are then in a downgradient position relative to the site.

The third and final sampling phase was conducted by the U.S. EPA and entailed the sampling of 3 residences north-northwest of the site in the East Jackson Street area. The samples were analyzed by Gulf Coast Labs under TAT Special Project TDD# 5-8701-L2. Two of the homes had detectable levels of VOCs and the analytical results are listed below.

**Miller, Hollywood Ave:**

TCE	-	59 ppb
1,1,1-TCA	-	110 ppb
1,1-DCA	-	9 ppb
1,1-DCE	-	6 ppb
Trichlorofluoromethane	-	55 ppb
Dichlorofluoromethane	-	4.5 ppb

**Ruess, Grady Blvd:**

1,1,1-TCA	-	1,100 ppb
1,1-DCA	-	250 ppb
1,1-DCE	-	86 ppb
Trichlorofluoromethane	-	230 ppb
Dichlorofluoromethane	-	97 ppb

The contractor began tank scrapping activities during the first week of April. The tanks, which had been secured by chainlink fences, were removed from the loading docks and the remaining fluids and sludges pumped into 55-gallon drums. The tanks were deconned, cut into pieces, and transported to a scrap facility.

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The work that remains to be completed at the former Accra Pac site is the following:

- o Disposal of drummed sludges and removal and decontamination of conduit;
- o Determine disposal parameters for the contaminated soils;
- o Complete the site survey;
- o Determine the extent of soil contamination; and,
- o Select a disposal/treatment option to conclude the remediation of the site.

There is no work schedule at the present time to complete these tasks, nor is there any indication from the PRP that these tasks will be completed in the near future.

The analytical data and the hydrogeological data allow the following conclusions to be drawn:

- o The high degree of soil and ground water contamination resulted either from the underground storage tanks or the uncontained fluids released at the time of the explosion from above ground storage tanks;
- o The downgradient monitoring wells confirm the contamination of the aquifer and that the contamination is leaving the site;
- o The minor levels of contamination in the upgradient monitoring well could be attributed to the uncontained runoff from the explosion and the fact that a business concern, upgradient from the site and the monitoring well, operates a small water well which would have a slight impact on the ground water flow at the well location;
- o A total of six volatile organic compounds were found in the soils and waters in Pits A, B, and C, the three downgradient monitor wells, and in the two residences in the East Jackson contamination area; and,

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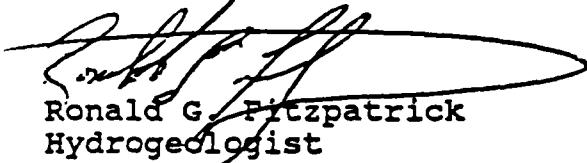
- o : The presence of trichlorofluoromethane and dichlorofluoromethane, common constituents in aerosol cans, in the soils of Pit C, the ground water from Pit A and C, the ground water from monitor wells 2, 3, and 4, and in the two private well water samples in the East Jackson area indicates a unique signature contaminant. These two compounds also document the movement of contaminants from the former Accra Pac site to the East Jackson area.

This interim report has documented the PRP cleanup to date and provided an interpretation of the analytical data with respect to the hydrogeology.

Should you have any questions or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.



Ronald G. Fitzpatrick  
Hydrogeologist

*Sally H. B.*  
FOR Scott D. Springer  
Technical Assistance Team  
Leader, Region V

RGF/ljs

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**ATTACHMENT A**

**HAZARDOUS WASTE MANIFESTS  
FORMER ACCRA PAC SITE  
ELKHART, INDIANA**

EM43

OC-30333

A-521

## LWD, INC.

Off Highway 1523, P.O. Box 327  
 Calvert City, Kentucky 42029  
 Telephone (502) 395-8313

Firm name:  
 & TSDF I.D. #:  
 KYD 088 438 817

01 0125

DEO 10 DEC 1986

GENCOEN

## REQUEST FOR TREATMENT SURVEY

11066-31

1. Generator name Warren Baker		2. U.S. EPA I.D. #				
3. Generating facility address & telephone #		2600 Industrial Parkway Elkhart, In. 46515				
4. Waste stream common name Contaminated Water		5. EPA hazardous waste number(s) D001				
6. Anticipated volume and frequency - 22,000 Gal.		gals/drums per one time month	week quarter Once year			
7. Proposed packaging: Drums (size		type ) bulk liquid other				
8. Administrative contact Lynn Jensen		9. Technical contact Same				
10. Physical state @ 70°F solid liquid semi-solid layering: liquid % solid %		11. Viscosity: low medium high Comment				
12 Specific gravity @ 60°F		13. Heat content (Btu/lb) < 1000 B.T.U.'S				
14. Ash (wt. %) @ 900°C		15. Chlorine/sulfur content (total wt. %)				
16. Metal content Total or EP toxicity (Specify ppm or wt. %)		As N/A Ba " " Cd "	Cr N/A Pt " Hg "	Se N/A Ag " Fe "	Cu N/A Zn " Al "	17. pH 6-8
18. Flashpoint 126 °F		19. Density 7.5		lbs/gal lbs/cu ft		
20. Organic/inorganic content (wt. %)						
21. Other toxic compounds (specify ppm or wt. %)		TOLULENE XYLENE				
22. DOT shipping name		WASTE STREAMS TREATED WOS				
23. DOT hazard class FLAMMABLE LIQUID		24. DOT I.D. # UN/NA UN 1393				
25. Waste is: water reactive carcinogenic PCB > 50ppm None of the above		shock sensitive pesticide	explosive herbicide	pyrophoric radioactive	biological	
26. Comments (Also indicate other hazards which LWD, Inc., should be aware of to properly handle and/or assure personnel protection and safety).						
27. Firm or agency performing chemical analysis (attach certified analysis accounting for all compounds and analytical technique):						
SEE ATTACHED						

Carrier's No. 01 0126

(Name of Carrier)

CEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Michigan Nov 24 1986 From

The property described below, in apparent condition, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said word carrier binds himself throughout this contract, as between any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery or destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Southern, Western and Illinois Freight Classification in effect on the date theron, if this is a rail or rail-water shipment, or (2) in such other carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted by himself and his agents.

Consigned to LWD, INC.

(Mail or street address of consignee—For purposes of notification on Delivery)

Destination ALBERT CITY State KY Zip County Address \*

(To be filled in only when shipper desires and governing tariffs provide for delivery there)

Route

Delivering Carrier A-1 Disposal Corp. Car or Vehicle Initials No.

No Packages	HM	Kind of Packages, Description of Articles, Special Marks, and Exceptions (If Hazardous Materials—Proper Shipping Name and Classification)	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
100		BULK WASTE FLAMMABLE Liquid, N.O.S. UN1993 GAL / SOLVENT (CONTAMINATED) 10452 Doot			
		Manifest # IN088811		Load time in	
				Load time out	
				Unload time in	
				Unload time out	

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Consolidated Freight Classification.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations and department recommendations.

Placards examined and approved Agent must detach and retain this Shipping  
Shipper, Per Order and must sign the Original Bill of Lading.

Generator's signature

Permanent post-office address of shipper.

1982 PRINTED IN U.S.A.  
Wilson Jones Company  
1000 FORTRESS SPART

REG 11

600 10 70

C REC

Division of Land Pollution Control - Manifest  
 Indiana State Board of Health  
 P.O. Box 7035  
 Indianapolis, IN 46207-7035

## DO NOT WRITE IN THIS SPACE

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2000 0404 Expires 7-31-86

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law	
		IA1D98111940798161001				
GENERATOR	3. Generator's Name	A. State Manifest Document Number <b>IN 088811</b>				
	WARNER BAKER. 2606 INDUSTRIAL PARKWAY. ELKHART IN 46513	B. State Generator's ID <b>616/685-5801</b>				
	4. Generator's Phone <b>(219) 232-3393</b>	C. State Transporter's ID				
	5. Transporter 1 Company Name <b>F-1 DISPOSAL CORP.</b>	D. Transporter's Phone <b>(616) 685-5801</b>				
	6. US EPA ID Number <b>MI1D059169154152</b>	E. State Transporter's ID				
	7. Transporter 2 Company Name	F. Transporter's Phone				
	8. Designated Facility Name and Site Address <b>LWD, INC. HIGHWAY 1523 CALVERT CITY, KY</b>	G. State Facility's ID <b>502/395-8313</b>				
	9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <b>WASTE FLAMMABLE LIQUID NO. S. U.N. 1993 (SOLVENT CONTAMINATED WATER)</b>	10. US EPA ID Number <b>KYD08814318117</b>	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
			11111	15000	G	D001
d.		11111	11111			
c.		11111	11111			
b.		11111	11111			
a.		11111	11111			
j. Additional Descriptions for Materials Listed Above		k. Handling Codes for Wastes Listed Above				
RECEIVED 11/1/86 STAN WHYMENT						
l. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name <b>Malcolm J. Turley Jr</b>		Signature <i>Malcolm J. Turley Jr</i>				
		Month <b>11</b>	Day <b>25</b>	Year <b>86</b>	Date	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Stan Whyment</b>		Signature <i>Stan Whyment</i>				
		Month <b>11</b>	Day <b>25</b>	Year <b>86</b>	Date	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature				
		Month <b>11</b>	Day <b>25</b>	Year <b>86</b>	Date	
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19.						
Printed/Typed Name		Signature				
		Month <b>11</b>	Day <b>25</b>	Year <b>86</b>	Date	

IN 088811

Division of Land Pollution Control - Manifest  
Indiana State Board of Health  
P.O. Box 7035  
Indianapolis, IN 46207-7035

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01 0128

Form Approved OMB No. 2000 0464 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.  IN ID 1918111191410179816662	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
GENERATOR	3. Generator's Name  Warren Baker 2606 Industrial Parkway, Elkhart, IN 46515	4. Generator's Phone 219 289-9987	A. State Manifest Document Number  IN 088813	B. State Generator's ID	
	5. Transporter 1 Company Name  A-1 Disposal Corporation	6. US EPA ID Number  M I D 0 5 1 9 6 9 5 4 5 2	C. State Transporter's ID  619/685-9801	D. Transporter's Phone	
	7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	F. Transporter's Phone	
	9. Designated Facility Name and Site Address  LWD, Inc. Highway 1523 Elkhart, IN 46515	10. US EPA ID Number  K Y D 0 8 8 4 3 8 8 1 7	G. State Facility's ID  502/395-8313	H. Facility's Phone	
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers  No. Type	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.
	* Waste flammable liquid, no.s. UN1993 (solvent contaminated water)	1 1 T T 0 5 0 0 0 0	G	D001	
	B.	1 1 1 1			
	C.	1 1 1 1			
	D.	1 1 1 1			
	J. Additional Descriptions for Materials Listed Above  Dike and contain in case of leakage or spillage  EM 43	K. Handling Codes for Wastes Listed Above  T06/T07			
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name  Melvin B McCall		Signature  Melvin B McCall		Month Day Year 11/20/86 Date	
TRANSPORTER		17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  STAN WHIMENT	Signature  Stan Whiment	Month Day Year 11/20/86 Date	
		18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature	Month Day Year 11/20/86 Date	
FACILITY		19. Discrepancy Indication Space	:		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.					
		Printed/Typed Name  Steve York	Signature  Steve York	Month Day Year 11/20/86 Date	IN 088813

Division of Land Pollution Control - Manifest  
Indiana State Board of Health  
P.O. Box 7035  
Indianapolis, IN 46207-7035

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01 0129

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law	
3. Generator's Name Warren Baker 2606 Industrial Parkway, Elkhart, IN 46515		IN 18119407986003		1		
4. Generator's Phone ( 219 ) 289-9987						
5. Transporter 1 Company Name A-1 Disposal Corporation		6. US EPA ID Number M I D 0 5 9 6 9 5 4 5 2			A. State Manifest Document Number IN 088812	
7. Transporter 2 Company Name		8. US EPA ID Number			B. State Generator's ID 6287685-9801	
9. Designated Facility Name and Site Address LWD, Inc. Highway 1523 Elkhart, IN 46515		10. US EPA ID Number K Y D 0 8 8 4 3 8 8 1 7			C. State Transporter's ID D. Transporter's Name E. State Transporter's ID F. Transporter's Phone G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste flammable liquid, n.o.s. UN1993 (solvent contaminated water)		12. Containers No. Type	13. Total Quantity	14. Unit Measure	L Waste No.	
a.	1 1 T/T	050000	G	D001		
b.	-	1 1	1	1 1 1		
c.		1 1	1	1 1 1		
d.		1 1	1	1 1 1		
J. Additional Descriptions for Materials Listed Above Dike and contain in case of leakage or spillage EM43		K. Handling Codes for Wastes Listed Above T06/T07				
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name Mark P. Callum		Signature Mark P. Callum		Month Day Year 12/03/86	Date	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Stan Whymert.		Signature Stan Whymert.		Month Day Year 12/08/86	Date	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19.						
Printed/Typed Name Steve York		Signature Steve York		Month Day Year 12/04/86	Date	

IN  
088812

01 0130

Division of Land Pollution Control - Manifest  
 Indiana State Board of Health  
 P.O. Box 7035  
 Indianapolis, IN 46207-7035

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

DO NOT WRITE IN THIS SPACE

Form Approved OMB No. 2000-0404 Expires 7-31-26

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law
		I N D I 9 1 8 1 1 1 9 1 4 1 0 1 7 1 9 8 6 0 0 1			
3. Generator's Name Warren Baker 2606 Industrial Parkway, Elkhart, IN 46515		4. Generator's Phone 219 289-9987	A. State Manifest Document Number <b>IN 088792</b>	B. State Generator's ID	
5. Transporter 1 Company Name <b>A-1 Disposal Corporation</b>		6. US EPA ID Number <b>M I I D 0 1 5 9 6 9 5 1 4 5 1 2</b>	C. State Transporter's ID	D. Transporter's Phone <b>818/685-9801</b>	E. State Transporter's ID
7. Transporter 2 Company Name		8. US EPA ID Number	F. Transporter's Phone	G. State Facility's ID	H. Facility's Phone <b>503/395-8313</b>
9. Designated Facility Name and Site Address LWD, Inc. Highway 1523 Elkhart, IN 46515		10. US EPA ID Number <b>K Y D 0 8 8 4 3 8 8 1 1 7</b>	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste flammable liquid, n.o.s. UN1993 (solvent contaminated water)	12. Containers No. Type 1 1 T T 25000	13. Total Quantity 14. Unit Wt/Vol L. Waste No. <b>G D001</b>
G E N E R A T O R	a.				
	b.				
	c.				
	d.				
J. Additional Descriptions for Materials Listed Above Dike and contain in case of leakage or spillage <del>EM43</del> <b>EM43</b>			K. Handling Codes for Wastes Listed Above <b>T04 T07</b>		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(a) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name <b>Malcolm J. Wesley Jr</b>		Signature <i>Malcolm J. Wesley Jr</i>		Month Day Year 11/25/86	Date
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Stan W. Mays</b>		Signature <i>Stan W. Mays</i>		Month Day Year 12/6/86	Date
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year 11/25/86	Date
19. Discrepancy Indication Space 3					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.					
Printed/Typed Name <b>Steve York</b>		Signature <i>Steve York</i>		Month Day Year 12/20/86	Date

**Division of Land Pollution Control - Manifest  
Indiana State Board of Health  
P.O. Box 7035  
Indianapolis, IN 46207-7035**

**DO NOT WRITE IN THIS SPACE**

01 0131

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved GOM No. 2000-0404 Expires 7-31-06

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <b>I N I D 9 1 8 1 1 1 9 1 4 0 1 7 1 9</b>	Manifest Document No. <b>E16007</b>	2. Page 1 of <b>1 of 1</b>	Information in the shaded areas is not required by Federal law	
3. Generator's Name <b>Warren Baker 2606 Industrial Parkway, Elkhart, IN 46515</b>		A. State Manifest Document Number <b>IN 088797</b>				
4. Generator's Phone ( 219 ) 289-9987		B. State Generator's ID <b>6167685-9801</b>				
5. Transporter 1 Company Name <b>A-1 Disposal Corporation</b>		6. US EPA ID Number <b>M I I D 1 0 1 5 1 9 1 6 1 9 1 5 1 4 1 5 1 2</b>	C. State Transporter's ID <b>6167685-9801</b>			
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Name <b>E. State Transporter's ID F. Transporter's Phone</b>			
9. Designated Facility Name and Site Address <b>LWD, Inc. Highway 1523 Calvert City, KY</b>		10. US EPA ID Number <b>K Y I D 1 0 1 8 1 8 4 1 3 1 8 1 8 1 7</b>	G. State Facility's ID <b>H. Facility's Phone 503/395-8313</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.      Type	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.	
a. Waste flammable liquid, n.o.s. UN1993 (solvent contaminated water)		1 11 T/T	<b>05000</b>	G	D001	
b.		1 11 1	1 1 1 1 1			
c.		1 1 1	1 1 1 1 1			
d.		1 1 1	1 1 1 1 1			
J. Additional Descriptions for Materials Listed Above <b>A. EM43</b>		K. Handling Codes for Wastes Listed Above <b>T06 T07</b>				
15. Special Handling Instructions and Additional Information <b>Dike and contain in case of leakage or spillage</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name <b>Melvin B McCullum</b>		Signature <b>Melvin B McCullum</b>		Date <b>12/17/86</b>	Year	
17. Transporter 1 Acknowledgement of Receipt of Materials <b>STAN WHIMENT</b>		Signature <b>Stan Whiment</b>		Date <b>12/17/86</b>	Year	
Printed/Typed Name <b>STEVE YORK</b>		Signature <b>Steve York</b>		Date <b>12/17/86</b>	Year	
18. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.						
Printed/Typed Name <b>STEVE YORK</b>		Signature <b>Steve York</b>		Date <b>12/17/86</b>	Year	

IN 08880-16797

Division of Land Pollution Control - Manifest  
Indiana State Board of Health  
P.O. Box 7035  
Indianapolis, IN 46207-7035

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01 0132

Form Approved OMB No. 2000-0464 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <b>IN D 9 8 1 1 9 4 0 7 9 8 6 8 0 5</b>	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law	
3. Generator's Name Warren Baker 2606 Industrial Parkway, Elkhart, IN 46515		A. State Manifest Document Number <b>IN 088795</b>				
4. Generator's Phone ( 219 ) 289-9987		B. State Generator's ID				
5. Transporter 1 Company Name <b>A-1 Disposal Corporation</b>		6. US EPA ID Number <b>I M I D 0 5 9 6 9 5 4 5 2</b>	C. State Transporter's ID <b>616/685-9801</b>			
7. Transporter 2 Company Name		8. US EPA ID Number	D. State Transporter's ID			
9. Designated Facility Name and Site Address LWD, Inc. Highway 1523 Elkhart, IN 46515		10. US EPA ID Number <b> K Y D 0 8 S 4 3 8 8 1 7</b>	E. State Facility's ID <b>502/395-8313</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.   Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
a. Waste flammable liquid, n.o.s. UN1993 (solvent contaminated water)		1   1 T   T	<b>61510001</b>	G	D001	
b.		1   1	1   1   1   1			
c.		1   1	1   1   1   1			
d.		1   1	1   1   1   1			
J. Additional Descriptions for Materials Listed Above Dike and contain in case of leakage or spillage <b>EM43</b>		K. Handling Codes for Wastes Listed Above <b>TOL T07</b>				
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name <b>Melvin McCallum</b>		Signature <b>7/1/86</b>		Month Day Year <b>7/1/86</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Stan Whymert</b>		Signature <b>Stan Whymert</b>		Month Day Year <b>7/1/86</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year <b>7/1/86</b>		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19. Printed/Typed Name <b>Steve York</b>						

IN 088795

01 0133

WESTON

**ATTACHMENT B**

**ANALYTICAL DATA  
FORMER ACCRA PAC SITE  
ELHART, INDIANA**

01 0134



RECEIVED

SEP 19 1985

TAT REG V

September 16, 1985

Roy F. Weston/SPER  
666 Dundee Road  
Suite 1501  
Northbrook, IL 60062

Attn: Kurt Schulz

Re: Elkhart, Indiana Project No. 85CY11

Attached are the VOC and Flash Point results for samples received September 10, 1985 under the above mentioned project. EPA Methods 601, and 1010 were respectively used to complete the VOC and flash point analysis. Please note the change in the concentration units from table to table. Also attached are copies of the chain of custody forms and Zimpro's sample check-in form.

If you have any questions, please call.

Sincerely,

ZIMRPO INC.

*Mary C. Christie*  
Mary C. Christie  
Instrumentation Chemist

MCC/lS

cc: J.W. Barr  
J.R. Salkowski

Enclosures

Roy F. Weston  
 VOC Analysis (ppb)  
 August 28, 1985

	<u>Detection Limit</u>	<u>S-72</u>	<u>S-76</u>	<u>S-78</u>	<u>S-87</u>
Benzene	0.1	X	20	X	X
Bromoform	0.5	X	X	X	X
Bromomethane	1.0	X	X	X	X
Carbon Tetrachloride	0.1	X	X	X	X
Chlorobenzene	0.1	X	X	X	X
Chloroethane	1.0	X	X	X	X
2-Chloroethylvinyl Ether	2.0	X	X	X	X
Chloroform	0.1	X	X	X	X
Chloromethane	6.0	X	X	X	X
Di-mochloromethane	0.1	X	X	X	X
1,2-Dichlorobenzene	0.3	X	X	X	X
1,3-Dichlorobenzene	0.3	X	X	X	X
1,4-Dichlorobenzene	0.3	X	X	X	X
Dichlorobromomethane	0.1	X	X	X	X
1,1-Dichloroethane	0.1	260	380	17	X
1,2-Dichloroethane	0.3	X	X	X	X
1,1-Dichloroethylene	0.5	X	X	X	X
1,2-Dichloroethylene	0.3	X	X	X	X
Dichloromethane	0.2	2200	60	90	X
1,2-Dichloropropane	0.5	X	X	X	X
cis-1,3-Dichloropropene	0.3	X	X	X	X
trans-1,3-Dichloropropene	1.0	X	X	X	X
Ethylbenzene	0.2	260	X	20	X
1,1,2,2-Tetrachloroethane	0.1	X	X	X	X
Tetrachloroethylene	0.1	1800	20	3.0	X
Toluene	0.1	105,000	2470	50	3.0
1,1-Trichloroethane	0.1	24,300	380	70	15
1,1,2-Trichloroethane	0.1	X	X	X	X
Trichloroethylene	0.1	X	X	X	X
Vinyl Chloride	0.1	X	X	X	X
m-Xylene	0.5	550	1270	50	20
o & p-Xylene (as o-Xylene)	0.5	1030	X	90	40
EPA Tag No.		5-163320	5-163317	5-163316	5-163324
Zimpro Analytical No.		13358	13362	13364	13367

X = Analyzed but not detected

Roy F. Weston  
 VOC Analysis (ppm)  
 August 28, 1985

	<u>Detection Limit</u>	<u>S-79</u>	<u>S-80</u>	<u>S-83</u>	<u>S-84</u>
Benzene	0.1	X	X	X	X
Bromoform	0.5	X	X	X	X
Bromomethane	1.0	X	X	X	X
Carbon Tetrachloride	0.1	X	X	X	X
Chlorobenzene	0.1	X	X	X	X
Chloroethane	1.0	X	X	X	X
2-Chloroethylvinyl Ether	2.0	X	X	X	X
Chloroform	0.1	X	X	X	X
Chloromethane	6.0	X	X	X	X
Dichlorochloromethane	0.1	X	X	X	X
1,1-Dichlorobenzene	0.3	X	X	X	X
1,3-Dichlorobenzene	0.3	X	X	X	X
1,4-Dichlorobenzene	0.3	X	X	X	X
Dichlorobromomethane	0.1	X	X	X	X
1,1-Dichloroethane	0.1	X	X	X	X
1,2-Dichloroethane	0.3	X	X	X	X
1,1-Dichloroethylene	0.5	X	X	X	X
1,2-Dichloroethylene	0.3	X	X	X	X
Dichloromethane	0.2	1.0	2.6	0.8	X
1,2-Dichloropropane	0.5	X	X	X	X
cis-1,3-Dichloropropene	0.3	X	X	X	X
trans-1,3-Dichloropropene	1.0	X	X	X	X
Ethylbenzene	0.2	20	30	30	10
1,1,2,2-Tetrachloroethane	0.1	X	X	X	X
Tetrachloroethylene	0.1	X	X	X	X
Toluene	0.1	20	4.0	2.3	3.7
1,1-Trichloroethane	0.1	0.04	0.2	0.04	X
1,1,2-Trichloroethane	0.1	X	X	X	X
Trichloroethylene	0.1	0.04	0.07	X	0.03
Vinyl Chloride	0.1	X	X	X	X
m-Xylene	0.5	70	80	100	50
o & p-Xylene (as o-Xylene)	0.5	100	120	170	90

EPA Tag No. 5-163322 5-163323 5-163816 5-163815

Zimpro Analytical No. 13365 13366 13369 13370

X = Analyzed but not detected

01 0137

ROY F. Weston  
VOC Analysis (g/l)  
August 28, 1985

	<u>Detection Limit</u>	<u>S-73</u>	<u>S-74</u>	<u>S-75</u>	<u>S-77</u>	<u>S-82</u>
Benzene	0.1	X	X	X	X	X
Bromoform	0.5	X	X	X	X	X
Bromomethane	1.0	X	X	X	X	X
Carbon Tetrachloride	0.1	X	X	X	X	X
Chlorobenzene	0.1	X	X	X	X	X
Chloroethane	1.0	X	X	X	X	X
2-Chloroethylvinyl Ether	2.0	X	X	X	X	X
Chloroform	0.1	X	X	X	X	X
Chloromethane	6.0	X	X	X	X	X
Dibromochloromethane	0.1	X	X	X	X	X
1,2-Dichlorobenzene	0.3	X	X	X	X	X
1,3-Dichlorobenzene	0.3	X	X	X	X	X
1,4-Dichlorobenzene	0.3	X	X	X	X	X
Dichlorobromomethane	0.1	X	X	X	X	X
1,1-Dichloroethane	0.1	X	X	X	X	X
1,2-Dichloroethane	0.3	X	X	X	X	X
1,1-Dichloroethylene	0.5	X	X	X	X	X
1,2-Dichloroethylene	0.3	X	X	X	X	X
Dichloromethane	0.2	X	X	X	X	X
1,2-Dichloropropane	0.5	X	X	X	X	X
cis-1,3-Dichloropropene	0.3	X	X	X	X	X
trans-1,3-Dichloropropene	1.0	X	X	X	X	X
Ethylbenzene	0.2	X	X	X	X	X
1,1,2,2-Tetrachloroethane	0.1	X	X	X	X	X
Tetrachloroethylene	0.1	X	X	X	X	X
Toluene	4.60	0.07	1.1	0.03	0.2	0.2
1,1,1-Trichloroethane	0.1	X	X	X	X	X
1,1,2-Trichloroethane	0.1	X	X	X	X	X
Trichloroethylene	0.1	X	X	X	X	X
Vinyl Chloride	0.1	X	X	X	X	X
m-Xylene	0.5	X	X	X	X	X
o & p-Xylene (as o-Xylene)	0.5	X	X	X	X	X

EPA Tag No.

5-163321

5-163319

5-163318

5-163315

5-163325

Zimpro Analytical No.

13359

13360

13361

13363

13368

X = Analyzed but not detected

Roy F. Weston Corp.

Flash Point (<sup>o</sup>F)

EPA Method 1010

<u>Sample ID</u>	<u>Flash Point, <sup>o</sup>F</u>	<u>Analytical No.</u>
S-72	74.	13358
S-73	<55.	13359
S-74	114.	13360
S-75	78.	13361
S-76	126.	13362
S-77	<56.	13363
S-78	84.	13364
S-79	118.	13365
S-80	108.	13366
S-81	112.	13367
S-82	>160.	13368
S-83	80.	13369
S-84	110.	13370

Method 1010 SW-846 Test Methods for Evaluating Solid Waste

## CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		C.W. /NVR, T/EATON		SPLIT SAMPLES WITH EIS	
85 CY 11		ELKHORN ACCRA-PAC U.G. TANKS NO		OF CON- TAI-NERS		REMARKS	
SAMPLERS: (Signature)		S-72		DATE TIME		STATION LOCATION	
STA. NO.	DATE	TIME	CONE	GRAB	COMB	TANK #	REMARKS
S-72	8/28	1340	X	TANK # 101	1-80Z.	✓	5-163320 1320411, 20411
S-73	8/28	1325	X	TANK # 102	1-80Z.	✓	5-163321 132042, 20411
S-74	8/28	1350	X	TANK # 103	1-80Z.	✓	5-163319 13300
S-75	8/28	1405	X	TANK # 104	1-80Z.	✓	5-163318 13301
S-76	8/28	1415	X	TANK # 105	1-80Z.	✓	5-163317 13302
S-77	8/28	1028	X	TANK # 106	1-90Z.	✓	5-163315 13303
S-78	8/28	1310	X	TANK # 107	1-80Z.	✓	5-163316 13304
S-79	8/28	1045	X	TANK # 108	1-90Z.	✓	5-163322 13305
S-80	8/28	1100	X	TANK # 109	1-80Z.	✓	5-163323 13306
S-81	8/28	1430	X	TANK # 110	1-90Z.	✓	5-163324 13307
S-82	8/28	1435	X	TANK # 111	1-80Z.	✓	5-163325 13308
S-83	8/28	1130	X	TANK # 112	1-80Z.	✓	5-163816 13309
S-84	8/28	1450	X	TANK # 113	1-90Z.	✓	5-163915 13310
S-85	8/28	1028	X	TANK # 108-501C	1-90Z.	✓	5-163212 * 13311 SPOTS
S-86	8/28	1028	X	TANK # 109-501L	1-80Z.	✓	5-163213 * 13312
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Date / Time	Received by: (Signature)	
Sally Maty		9-9-95 0905	Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		9-11-95 1330	Relinquished by: (Signature)		Date / Time	Received by: (Signature)	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Date / Time	Received by: (Signature)	

Distribution: While — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

Remarks Sent to:  
 2 Imp. Labs  
 Military Road  
 Rothschild, WI 54474  
 Attn: Mary Christy

5 - 1820



# Ana-Qual Lab Inc.

ENVIRONMENTAL TESTING LABORATORY

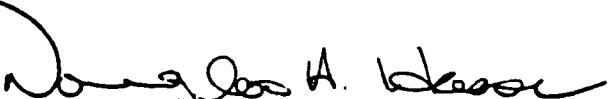
400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 685-9514

## WARNER-BAKER PROPERTIES

<u>Jar</u>	<u>Lid ID</u>	<u>Sample Tag ID</u>
W-1		A-Pit
W-2		B-Pit
W-3		C-Pit
A-1		Soil from middle of pit (station A-2)
A-2		Soil from south end of pit (station A-3)
A-3		Soil from north end of pit (station A-1)
B-1		Soil from east end of pit (Station B-1)
B-2		Soil from west end of pit (Station B-2)
C-1		Soil from west end of pit (station C-1)
C-2		Soil from east end of pit (station C-2)
P-1		Soil from eastern most pile (station P-1)
P-2		Soil from pile directly west of P-1 pile (station P-2)
P-3		Soil from pile directly west of P-2 pile (station P-3)
P-4		Soil from pile directly north of P-3 pile (station P-4)

Samples A-1, A-2 and A-3 do not correlate between the lid and label.  
All analysis were correlated to the identification on the lid.

Sampler: Ken Thesis

  
Douglas A. Haase  
Director of Laboratory Services

01 0141



# Ana-Qual Lab Inc.

ENVIRONMENTAL TESTING LABORATORY

400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 685-9314

Lab No.: 3718-86

Date Received: 12-18-86

Date Reported: 01-09-87

Client: Warner-Baker Properties

Client's ID No.: W-1, W-2, W-3

Physical Description: Water Samples for VOA Analysis.

Test Results:	.....	mg/l	<sup>ppm</sup>	.....
COMPOUNDS	W-1	W-2	W-3	
Chloroethane	0.006	---	---	
Methylenechloride	0.465	---	---	
✓ Trichlorofluoromethane	4.731	---	42.650	
1,1-Dichloroethene	0.580 ✓	---	---	
1,1-Dichloroethane	4.684 ✓	0.050	3.800 ✓	
tr-1,2,-Dichloroethene	1.716 ✓	---	---	
1,2,-Dichloroethane	0.039	---	---	
✓ 1,1,1-Trichloroethane	19.18 ✓	0.385 ✓	307.400 ✓	
Trichloroethene	0.037	---	---	
1,1,2-Trichloroethane	0.033	---	---	
Chloroform	0.009	---	---	
1,1,2,2-Tetrachloroethane	0.001	---	---	
✓ Tetrachloroethene	0.236 ✓	---	---	
Toluene	---	1.335 ✓	101.700 ✓	
Ethyl benzene	---	0.365 ✓	11.400 ✓	
m-Xylene	---	5.595 ✓	22.550 ✓	
o,p-Xylene	---	5.685 ✓	21.800 ✓	
Benzene	---	---	0.600	
Chlorobenzene	---	---	0.500	

A handwritten signature in black ink that reads "Douglas A. Haase".

Douglas A. Haase

Director of Laboratory Services

DAH/cmk

01 0142



*Ana-Qal Lab Inc.*  
ENVIRONMENTAL TESTING LABORATORY

400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 685-9514

Lab No.: 3718-86

Date Received: 12-18-86

Date Reported: 01-09-87

Client: Warner-Baker Properties.

Client's ID No.: A-1, A-2, A-3

Physical Description: Soil Samples for VOA Analysis

Test Results: .....Conc. (ug/g).....

<u>COMPOUNDS</u>	<u>A-1</u>	<u>A-2</u>	<u>A-3</u>
Acetone ✓	12.74	0.63	4.34
1,1,1-Trichloroethane ✓	9.79	12.52	10.40
m-Xylene	2.49	---	---
1,1-Dichloroethane	---	0.31	---
Tetrachloroethene	33.78	1.05	3.47

*Douglas A. Haase*

Douglas A. Haase  
Director of Laboratory Services

DAH/cmk



*Ana-Qual Lab Inc.*  
ENVIRONMENTAL TESTING LABORATORY

400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 645-9514

Lab No.: 3718-87

Date Received: 12-18-86

Date Reported: 01-09-87

Client: Warner-Baker Properties

Client's ID No.: B-1, B-2

Physical Description: Soil Sample for VOA Analysis.

Test Results:

.....Conc. (ug/g)<sup>ppm</sup>.....

<u>COMPOUNDS</u>	<u>B-1</u>	<u>B-2</u>
Acetone	0.92	50.78
1,1,1-Trichloroethane	10.51	4.33
m-Xylene	122.39	396.01
Toluene	19.99	12.65
Ethyl benzene	72.06	97.40
o,p-Xylene	89.09	316.29

*Douglas A. Haase*  
Douglas A. Haase

Director of Laboratory Services

DAH/cmk



**Ana-Qual Lab Inc.**  
ENVIRONMENTAL TESTING LABORATORY

400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 685-9514

Lab No.: 3718-87

Date Received: 12-18-86

Date Reported: 01-09-87

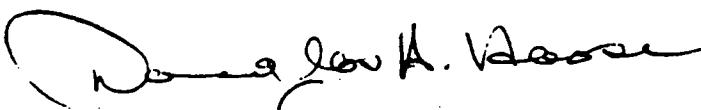
Client: Warner-Baker Properties

Client's ID No.: C-1, C-2

Physical Description: Soil Samples for VOA Analysis.

Test Results:

<u>COMPOUNDS</u>	Conc. (ug/g)	
	<u>C-1</u>	<u>C-2</u>
✓Acetone ✓	30.94	3.37
✓1,1,1-Trichloroethane ✓	27879.0	4621.8
✓m-Xylene ✓	1082.5	652.72
✓1,1-Dichloroethane ✓	10.50	---
✓Tetrachloroethene ✓	1.66	---
✓Toluene ✓	1601.7	1612.7
✓Ethyl benzene ✓	695.8	410.42
✓o,p-Xylene ✓	794.3	479.97
✓Trichlorofluoromethane	1115.40	335.1
✓1,1-Dichloroethene ✓	5.69	---
Benzene	4.15	---

  
Douglas A. Haase

Director of Laboratory Services

DAH/cmk

01 0145



**Ana-Qual Lab Inc.**  
ENVIRONMENTAL TESTING LABORATORY

400 BROAD STREET • PLAINWELL, MICHIGAN 49080 • (616) 685-9514

Lab No.: 3718-87

Date Received: 12-18-86

Date Reported: 01-09-87

Client: Warner-Baker Properties

Client's ID No.: P-1, P-2, P-3, P-4

Physical Description: Soil Sample for VOA Analysis.

## Test Results:

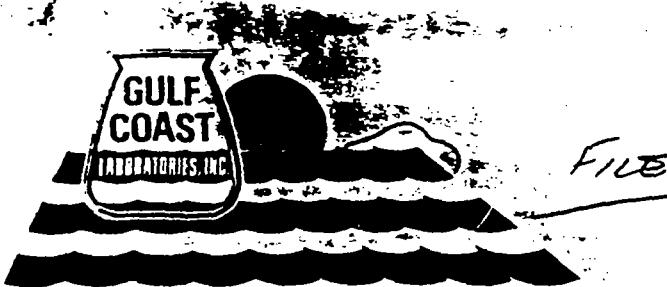
.....Conc. (ug/g).....

<u>COMPOUNDS</u>	<u>P-1</u>	<u>P-2</u>	<u>P-3</u>	<u>P-4</u>
Acetone	12.38	---	22.83	---
1,1,1-Trichloroethane	---	---	0.44	834.4
Tetrachloroethene	---	---	0.68	5.74
Toluene	---	---	1.41	576.7
Ethyl benzene	---	---	57.37	21.98
m-Xylene	---	---	131.17	73.35
o,p-Xylene	---	---	120.39	57.20
Trichlorofluoromethane	---	---	---	14.49

Douglas A. Haase

Director of Laboratory Services

DAH/cmk



GULF COAST LABORATORIES, INC.  
2417 Bond St., University Park, Illinois 60466  
Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

01 0146

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FILE

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RECEIVED

SM

January 2, 1987

Mr. Ron Fitzpatrick  
F. Weston, Inc.  
600 West Dundee Road  
Northbrook, Illinois 60062

Dear Mr. Fitzpatrick:

Please find enclosed the analytical reports for samples submitted to Gulf Coast Laboratories. They were identified as follows:

GCL#	IDENTIFICATION	SAMPLE DATE
97081	S-63 East End Pit B-B7	12/17/86
97082	S-64 West End Pit B-B2	12/17/86
97083	S-65 West End Pit C-C1	12/17/86
97084	S-66 East End Pit C-C2	12/17/86
97085	S-67 Groundwater Pit C-W3	12/17/86
97086	S-68 Groundwater Pit D-W4	12/17/86

If you have any questions, please contact our laboratories.

Sincerely,

GULF COAST LABORATORIES, INC.

*John Boudreau*  
John Boudreau

JB/sj

Enclosures

01 0147  
GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
RE: S-63 East End Pit B-B7  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97081

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	5,000 U ug/kg
Bromomethane	BDL	5,000 U ug/kg
Vinyl Chloride	BDL	5,000 U ug/kg
Chloroethane	BDL	5,000 U ug/kg
Methylene Chloride	BDL	2,500 U ug/kg
Acetone	BDL	5,000 U ug/kg
Carbon Disulfide	BDL	2,500 U ug/kg
1,1-Dichloroethene	BDL	2,500 U ug/kg
1,1-Dichloroethane	BDL	2,500 U ug/kg
Trans-1,2-Dichloroethene	BDL	2,500 U ug/kg
Chloroform	BDL	2,500 U ug/kg
1,2-Dichloroethane	BDL	2,500 U ug/kg
2-Butanone	BDL	5,000 U ug/kg
1,1,1-Trichloroethane	2,600	2,500 ug/kg
Carbon Tetrachloride	BDL	2,500 U ug/kg
Vinyl Acetate	BDL	5,000 U ug/kg
Bromodichloromethane	BDL	2,500 U ug/kg



01 0148

GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Ray F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
RE: S-63 East End Pit B-B7  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97081

OLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	2,500 U ug/kg
Trans-1,3-Dichloropropene	BDL	2,500 U ug/kg
Trichloroethene	BDL	2,500 U ug/kg
Dibromochloromethane	BDL	2,500 U ug/kg
1,1,2-Trichloroethane	BDL	2,500 U ug/kg
Benzene	BDL	2,500 U ug/kg
cis-1,3-Dichloropropene	BDL	2,500 U ug/kg
γ-Chloroethylvinylether	BDL	5,000 U ug/kg
Bromoform	BDL	2,500 U ug/kg
4-Methyl-2-Pentanone	BDL	5,000 U ug/kg
2-Hexanone	BDL	5,000 U ug/kg
Tetrachloroethene	BDL	2,500 U ug/kg
1,1,2,2-Tetrachloroethane	BDL	2,500 U ug/kg
Toluene	4,100	2,500 ug/kg
Chlorobenzene	BDL	2,500 U ug/kg
Ethylbenzene	11,000	2,500 ug/kg
Styrene	BDL	2,500 U ug/kg
Total Xylenes	57,000	7,500 ug/kg



GULF COAST LABORATORIES, INC.

01 0149

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-64 West End Pit B-B2  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97082

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Unloromethane	BDL	5,000 U ug/kg
Bromomethane	BDL	5,000 U ug/kg
Vinyl Chloride	BDL	5,000 U ug/kg
Chloroethane	BDL	5,000 U ug/kg
Methylene Chloride	BDL	2,500 U ug/kg
Acetone	BDL	5,000 U ug/kg
Carbon Disulfide	BDL	2,500 U ug/kg
1,1-Dichloroethene	BDL	2,500 U ug/kg
,1-Dichloroethane	BDL	2,500 U ug/kg
Trans-1,2-Dichloroethene	BDL	2,500 U ug/kg
Chloroform	BDL	2,500 U ug/kg
1,2-Dichloroethane	BDL	2,500 U ug/kg
2-Butanone	BDL	5,000 U ug/kg
1,1,1-Trichloroethane	3,400	2,500 ug/kg
Carbon Tetrachloride	BDL	2,500 U ug/kg
Vinyl Acetate	BDL	5,000 U ug/kg
Bromodichloromethane	BDL	2,500 U ug/kg



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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01 0150

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-64 West End Pit B-B2  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97082

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	2,500 U ug/kg
Trans-1,3-Dichloropropene	BDL	2,500 U ug/kg
Trichloroethene	BDL	2,500 U ug/kg
Dibromochloromethane	BDL	2,500 U ug/kg
1,1,2-Trichloroethane	BDL	2,500 U ug/kg
Benzene	BDL	2,500 U ug/kg
cis-1,3-Dichloropropene	BDL	2,500 U ug/kg
2-Chloroethylvinylether	BDL	5,000 U ug/kg
Bromoform	BDL	2,500 U ug/kg
4-Methyl-2-Pentanone	BDL	5,000 U ug/kg
2-Hexanone	BDL	5,000 U ug/kg
Tetrachloroethene	BDL	2,500 U ug/kg
1,1,2,2-Tetrachloroethane	BDL	2,500 U ug/kg
Toluene	4,600	2,500 ug/kg
Chlorobenzene	BDL	2,500 U ug/kg
Ethylbenzene	30,000	2,500 ug/kg
Styrene	BDL	2,500 U ug/kg
Total Xylenes	430,000	37,500 ug/kg



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7071 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-65 West End Pit C-C1  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97083

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	20,000 U ug/kg
Bromomethane	BDL	20,000 U ug/kg
Vinyl Chloride	BDL	20,000 U ug/kg
Chloroethane	BDL	20,000 U ug/kg
Methylene Chloride	BDL	10,000 U ug/kg
Acetone	BDL	20,000 U ug/kg
Carbon Disulfide	BDL	10,000 U ug/kg
1,1-Dichloroethene	19,000	10,000 ug/kg
1,1-Dichloroethane	BDL	10,000 U ug/kg
Trans-1,2-Dichloroethene	20,000	10,000 ug/kg
Chloroform	BDL	10,000 U ug/kg
1,2-Dichloroethane	110,000	10,000 ug/kg
2-Butanone	BDL	20,000 U ug/kg
1,1,1-Trichloroethane	2,700,000	50,000 ug/kg
Carbon Tetrachloride	BDL	10,000 U ug/kg
Vinyl Acetate	BDL	20,000 U ug/kg
Bromodichloromethane	BDL	10,000 U ug/kg



GULF COAST LABORATORIES, INC.

01 0152

2417 Bond St., University Park, Illinois 60466

Phone (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
656 West Dundee Road  
Northbrook, Illinois 60062

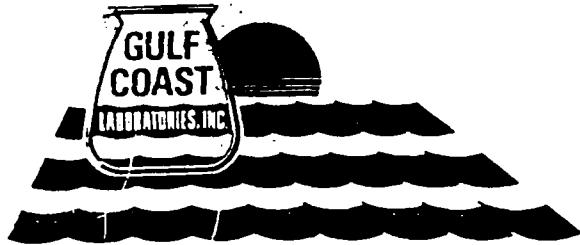
ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-65 West End Pit C-C1  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97083

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1, 2-Dichloropropane	BDL	10,000 U ug/kg
Trans-1, 3-Dichloropropene	BDL	10,000 U ug/kg
Trichloroethene	BDL	10,000 U ug/kg
Dibromochloromethane	BDL	10,000 U ug/kg
1, 1, 2-Trichloroethane	BDL	10,000 U ug/kg
Benzene	BDL	10,000 U ug/kg
cis-1, 3-Dichloropropene	BDL	10,000 U ug/kg
2-Chloroethylvinylether	BDL	20,000 U ug/kg
Bromoform	BDL	10,000 U ug/kg
4-Methyl-2-Pentanone	BDL	20,000 U ug/kg
2-Hexanone	BDL	20,000 U ug/kg
Tetrachloroethene	BDL	10,000 U ug/kg
1, 1, 2, 2-Tetrachloroethane	BDL	10,000 U ug/kg
Toluene	2,000,000	50,000 ug/kg
Chlorobenzene	BDL	10,000 U ug/kg
Ethylbenzene	700,000	50,000 ug/kg
Styrene	BDL	10,000 U ug/kg
Total Xylenes	32,100,000	150,000 ug/kg

01 0153



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-66 East End Pit C-C2  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97084

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	20,000 U ug/kg
Bromomethane	BDL	20,000 U ug/kg
Vinyl Chloride	BDL	20,000 U ug/kg
Chloroethane	BDL	20,000 U ug/kg
Methylene-Chloride	11,000	10,000 U ug/kg
Acetone	BDL	20,000 U ug/kg
Carbon Disulfide	BDL	10,000 U ug/kg
1,1-Dichloroethene	BDL	10,000 U ug/kg
1,1-Dichloroethane	BDL	10,000 U ug/kg
Trans-1,2-Dichloroethene	BDL	10,000 U ug/kg
Chloroform	BDL	10,000 U ug/kg
1,2-Dichloroethane	BDL	10,000 U ug/kg
2-Butanone	BDL	20,000 U ug/kg
1,1,1-Trichloroethane	400,000	10,000 U ug/kg
Carbon Tetrachloride	BDL	10,000 U ug/kg
Vinyl Acetate	BDL	20,000 U ug/kg
Bromodichloromethane	BDL	10,000 U ug/kg

01 0154



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7877 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-66 East End Pit C-C2  
Soil Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97084

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1, Dichloropropane	BDL	10,000 U ug/kg
Trans-1,3-Dichloropropene	BDL	10,000 U ug/kg
Trichloroethene	BDL	10,000 U ug/kg
Dibromochloromethane	BDL	10,000 U ug/kg
1,1,2-Trichloroethane	BDL	10,000 U ug/kg
Benzene	BDL	10,000 U ug/kg
cis-1,3-Dichloropropene	BDL	10,000 U ug/kg
2-Chloroethylvinylether	BDL	20,000 U ug/kg
Butyform	BDL	10,000 U ug/kg
4-Methyl-2-Pentanone	BDL	20,000 U ug/kg
2-Hexanone	BDL	20,000 U ug/kg
Tetrachloroethene	BDL	10,000 U ug/kg
1,1,2,2-Tetrachloroethane	BDL	10,000 U ug/kg
Toluene	520,000	10,000 ug/kg
Chlorobenzene	BDL	10,000 U ug/kg
Ethylbenzene	110,000	10,000 ug/kg
Styrene	BDL	10,000 U ug/kg
Total Xylenes	420,000	30,000 ug/kg



GULF COAST LABORATORIES, INC.  
2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

01 0155

13

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-67 Groundwater Pit C-W3  
Water Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97085

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Propane	BDL	1,000 U ug/l
Bromomethane	BDL	1,000 U ug/l
Vinyl Chloride	BDL	1,000 U ug/l
Chloroethane	BDL	1,000 U ug/l
Methylene Chloride	1,200	500 ug/l
Acetone	2,100	1,000 ug/l
Carbon Disulfide	BDL	500 U ug/l
1,1-Dichloroethene	600	500 ug/l
1-Dichloroethane	2,700	500 ug/l
Trans-1,2-Dichloroethene	BDL	500 U ug/l
Chloroform	BDL	500 U ug/l
1,2-Dichloroethane	BDL	500 U ug/l
2-Butanone	BDL	1,000 U ug/l
1,1,1-Trichloroethane	130,000	5,000 ug/l
Carbon Tetrachloride	BDL	500 U ug/l
Vinyl Acetate	BDL	1,000 U ug/l
Bromodichloromethane	BDL	500 U ug/l

01 0156



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5280 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal  
S-67 Groundwater Pit C-W3  
Water Sample P.O. #22056  
Sample Date: 12/17/86  
Date Received: 12/22/86  
GCL# 97085

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	500 U ug/l
Trans-1,3-Dichloropropene	BDL	500 U ug/l
Trichloroethene	BDL	500 U ug/l
Dibromochloromethane	BDL	500 U ug/l
1,1,2-Trichloroethane	BDL	500 U ug/l
Benzene	600	500 ug/l
cis-1,3-Dichloropropene	BDL	500 U ug/l
2-Chloroethylvinylether	BDL	1,000 U ug/l
Bromoform	BDL	500 U ug/l
4-Methyl-2-Pentanone	BDL	1,000 U ug/l
2-Hexanone	BDL	1,000 U ug/l
Tetrachloroethene	BDL	500 U ug/l
1,1,2,2-Tetrachloroethane	BDL	500 U ug/l
Toluene	81,000	5,000 ug/l
Chlorobenzene	BDL	500 U ug/l
Ethylbenzene	7,800	500 ug/l
Styrene	BDL	500 U ug/l
Total Xylenes	31,000	1,500 ug/l



GULF COAST LABOR  
2417 Bond St., Univ.  
Phones (312) 52

Illinois 60466

01 0157

7077 (815) 723-7533

ANALYTICAL

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2

RE: Acrapak Prp. Rem.  
S-68 Groundwater  
Water Sample P.O.  
Sample Date: 12/17,  
Date Received: 12/22/  
GCL# 97086

W4

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VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l

01 0158  
GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Roy F. Weston, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mr. Ron Fitzpatrick

DATE: January 2, 1987

RE: Acrapak Prp Removal

S-68 Groundwater Pit D-W4

Water Sample P.O. #22056

Sample Date: 12/17/86

Date Received: 12/22/86

GCL# 97086

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VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l

**MAIN OF CUSTODY RECORD**

O. PROJECT NAME ASBAPAK PREP REMOVAL

AMPLIERS: (Signatures)

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## REMARKS



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	7	5 ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l

01 0161



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-75

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

## TENTATIVELY IDENTIFIED COMPOUNDS

No Volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

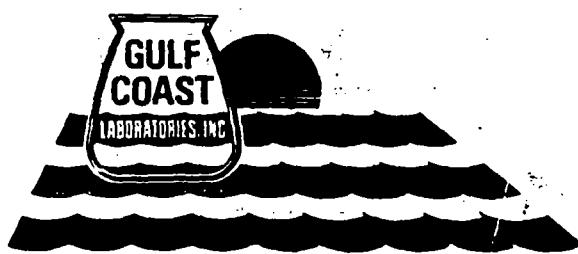
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1, 3-Dichlorobenzene	BDL	10 U ug/l
1, 4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1, 2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2, 4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Choronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l

01 0165



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3,3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g,h,i)Perylene	BDL	10 U ug/l

01 0167



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

### ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

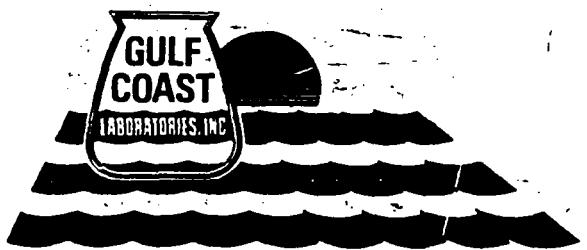
RE: Accra Pac Prp Removal  
MW#1 Auger Rinse Water  
Tag#5-62642, 62643, 62647, 62648  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97888

### TENTATIVELY IDENTIFIED COMPOUNDS

Nine (9) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	14 ug/l
Unknown	4.4 ug/l
Unknown	58 ug/l
Unknown	28 ug/l
Unknown	5.2 ug/l
Unknown	3.8 ug/l
Unknown	3.9 ug/l
Unknown	6.0 ug/l
Unknown	3.9 ug/l

01 0168



## GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

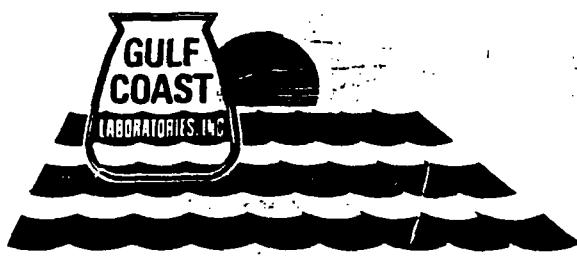
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l

01 0170



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

#### ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

#### TENTATIVELY IDENTIFIED COMPOUNDS

No Volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1,3-Dichlorobenzene	BDL	10 U ug/l
1,4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1,2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2,4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Choronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l

01 0173



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753.

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l

01 0174



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3,3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g,h,i)Perylene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

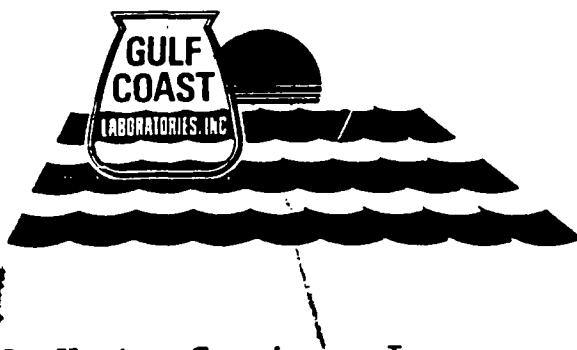
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3, 3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1, 2, 3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g, h, i)Perylene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

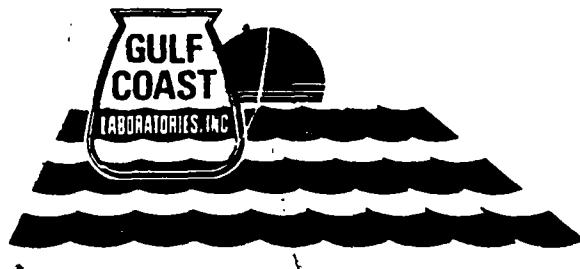
RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

## TENTATIVELY IDENTIFIED COMPOUNDS

Five (5) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	13 ug/l
2-Cyclohexene-5-one	45 ug/l
Unknown	32 ug/l
Unknown	40 ug/l
Unknown	21 ug/l

01 0177



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l

01 0178



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

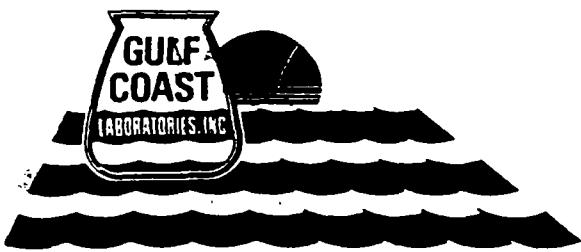
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-75

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

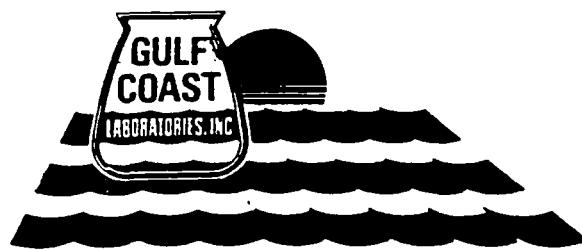
DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

### TENTATIVELY IDENTIFIED COMPOUNDS

No Volatile compound greater than 10% of the nearest internal standard was tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

01 0180



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1, 3-Dichlorobenzene	BDL	10 U ug/l
1, 4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1, 2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2, 4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753:

## ANALYTICAL REPORT

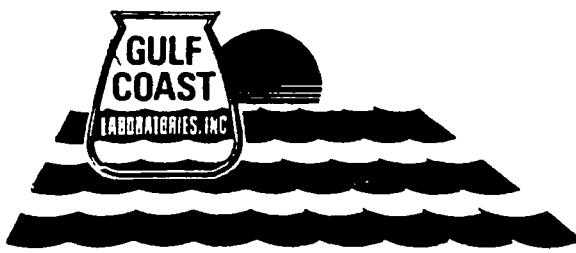
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

\*RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Choronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

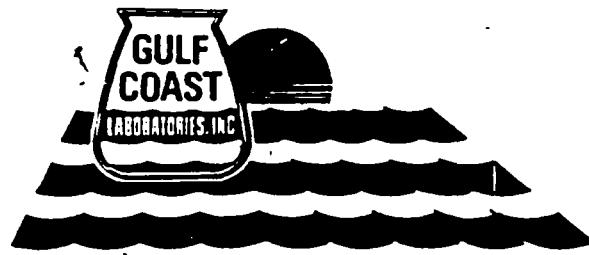
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

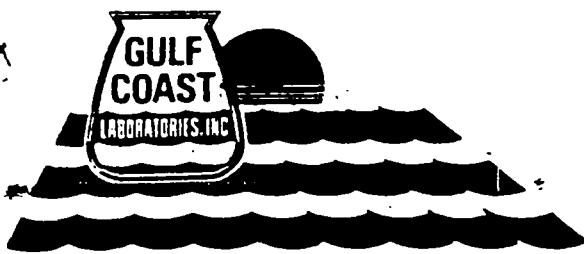
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3,3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g,h,i)Perylene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 385-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#4 Auger Rinse Water  
Tag#5-62835, 62830, 62833, 62834  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97891

## TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	12 ug/l
Unknown	53 ug/l
Unknown	22 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

The following is a list of flags that Gulf Coast Laboratories frequently uses on our analytical reports. All flags may not be applicable for the enclosed reports.

- B - Indicates the compound was found in the blank as well as the sample, it indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - Severe matrix interference
- D - Result is on a dry weight basis
- J - Indicates an estimated value which is below detection limit
- P - Peaks present but do not appear to be PCBs
- U - Indicates compound was analyzed for but not detected
- R - Spike recovery not within control limit
- W - Result is on an "as is basis" (wet weight)
- \* - Duplicate not within control limits
- + - Correlation coefficient for MSA < 0.995
- BDL - Below Detection Limit



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 61466

Phones (312) 534-5200; (219) 885-7077; (815) 823-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Ppr Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

## VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Chloromethane	BDL	100 U ug/l
Bromomethane	BDL	100 U ug/l
Vinyl Chloride	BDL	100 U ug/l
Chloroethane	BDL	100 U ug/l
Methylene Chloride	BDL	50 U ug/l
Acetone	BDL	100 U ug/l
Carbon Disulfide	BDL	50 U ug/l
1,1-Dichloroethene	BDL	50 U ug/l
1,2-Dichloroethane	BDL	50 U ug/l
Trans-1,2-Dichloroethene	BDL	50 U ug/l
Chloroform	BDL	50 U ug/l
1,2-Dichloroethane	BDL	50 U ug/l
2-Butanone	BDL	100 U ug/l
1,1-Dichloroethane	BDL	50 U ug/l
Carbon Tetrachloride	BDL	50 U ug/l
Vinyl Acetate	BDL	100 U ug/l
Bromodichloromethane	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2117 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 385-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prop Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

## VOLATILE COMPOUNDS

## RESULT / DETECTION LIMIT

1,2-Dichloropropane	BDL	50 U ug/1
Trans-1,3-Dichloropropene	BDL	50 U ug/1
Trichloroethene	BDL	50 U ug/1
Dibromochloromethane	BDL	50 U ug/1
1,1,2-Trichloroethane	BDL	50 U ug/1
Benzene	BDL	50 U ug/1
cis-1,3-Dichloropropene	BDL	50 U ug/1
2-Chloroethylvinylether	BDL	100 U ug/1
Bromoform	BDL	50 U ug/1
4-Methyl-2-Pentanone	BDL	100 U ug/1
2-Hexanone	BDL	100 U ug/1
Tetrachloroethene	BDL	50 U ug/1
1,1,2,2-Tetrachloroethane	BDL	50 U ug/1
Toluene	BDL	50 U ug/1
Chlorobenzene	BDL	50 U ug/1
Ethylbenzene	BDL	50 U ug/1
Styrene	BDL	50 U ug/1
Total Xylenes	BDL	150 U ug/1



GULF COAST LABORATORIES, INC.

2417-Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 • (219) 885-7077 • (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

## TENTATIVELY IDENTIFIED COMPOUNDS

No volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.



GULF COAST LABORATORIES INC.

2417 Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 (219) 885-7077 (815) 723-7539

## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

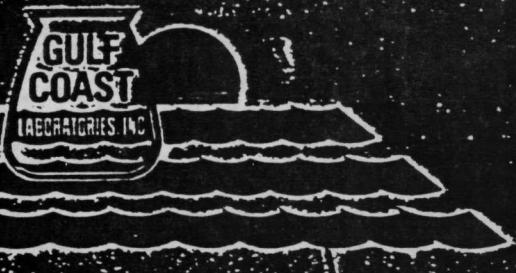
RE: Accra Pac Ppr Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#3 97882

## SEMOVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1, 3-Dichlorobenzene	BDL	10 U ug/l
1, 4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1, 2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2, 4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2317 Bond St., University Park, Illinois 60466

Phone: (312) 634-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Mrs. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Pp Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

## SEMI VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

bis(2-Chloroethoxy)Methane BDL 10 U ug/l

2,4-Dichlorophenol BDL 10 U ug/l

1,2,4-Trichlorobenzene BDL 10 U ug/l

Naphthalene BDL 10 U ug/l

4-Chloroaniline BDL 10 U ug/l

Hexachlorobutadiene BDL 10 U ug/l

4-Chloro-3-Methylphenol BDL 10 U ug/l

2-Methylnaphthalene BDL 10 U ug/l

Hexachlorocyclopentadiene BDL 10 U ug/l

2,4,6-Trichlorophenol BDL 10 U ug/l

2,4,5-Trichlorophenol BDL 50 U ug/l

2-Choronaphthalene BDL 10 U ug/l

2-Nitroaniline BDL 50 U ug/l

Dimethyl Phthalate BDL 10 U ug/l

Acenaphthylene BDL 10 U ug/l

3-Nitroaniline BDL 50 U ug/l

Acenaphthene BDL 10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phone 312/534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Ppp Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U µg/l
4-Nitrophenol	BDL	50 U µg/l
Dibenzofuran	BDL	10 U µg/l
2,4-Dinitrotoluene	BDL	10 U µg/l
2,6-Dinitrotoluene	BDL	10 U µg/l
Diethylphthalate	BDL	10 U µg/l
4-Chlorophenyl-phenylether	BDL	10 U µg/l
Fluorene	BDL	10 U µg/l
4-Nitroaniline	BDL	50 U µg/l
4,6-Dinitro-2-Methylphenol	BDL	50 U µg/l
N-Nitrosodiphenylamine(1)	BDL	10 U µg/l
4-Bromophenyl-phenylether	BDL	10 U µg/l
Hexachlorobenzene	BDL	10 U µg/l
Pentachlorophenol	BDL	50 U µg/l
Phenanthrene	BDL	10 U µg/l
Anthracene	BDL	10 U µg/l
Di-n-Butylphthalate	BDL	10 U µg/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Acura Pac Prp Removal  
MW#1 Tag #5-62848, 62644  
5-163407, 163408  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97882

## SEMOVOLATILE COMPOUNDS      RESULT      DETECTION LIMIT

Fluoranthene	BDL	10 U ug/l
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Pyrene	BDL	10 U ug/l
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Butylbenzylphthalate	BDL	10 U ug/l
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3,3'-Dichlorobenzidine	BDL	20 U ug/l
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Benzo(a)Anthracene	BDL	10 U ug/l
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bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
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Chrysene	BDL	10 U ug/l
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Di-n-Octyl Phthalate	BDL	10 U ug/l
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Benzo(b)Fluoranthene	BDL	10 U ug/l
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Benzo(k)Fluoranthene	BDL	10 U ug/l
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Benzo(a)Pyrene	BDL	10 U ug/l
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Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
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Dibenz(a,h)Anthracene	BDL	10 U ug/l
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Benzo(g,h,i)Perylene	BDL	10 U ug/l
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GULF COAST LABORATORIES, INC.

2117 Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 - (219) 385-7077 - (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
866 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#1 Tag #5=62848, 62644  
5=163407, 163408  
Sample Date: 1/01/87  
Date Received: 1/12/87  
GCL#: 97882

## TENTATIVELY IDENTIFIED COMPOUNDS

Eight (8) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	19 ug/l
Cyclohexane n-ome	
Unknown	15 ug/l
Unknown	6.6 ug/l
Unknown	44 ug/l
Unknown	28 ug/l
Unknown	5.3 ug/l
Unknown	8.9 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

### ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Auger Rinse Water  
Tag#5-62817, 62818, 62819, 62820  
Sample Date: 01/06/87  
Date Received: 01/12/87  
GCL#: 97889

#### TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	10 ug/l
Unknown	31 ug/l
Unknown	15 ug/l

01 0195



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

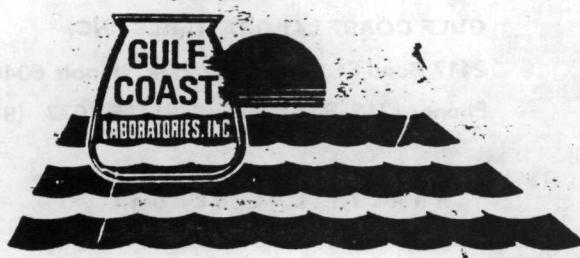
ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l

01 0196



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7535

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l

01 0197



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7538

ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

TENTATIVELY IDENTIFIED COMPOUNDS

One (1) Volatile compound greater than 10% of the nearest internal standard was tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND

ESTIMATED CONCENTRATION

2-Methylpropane

01 0198



## GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal

MW#3 Auger Rinse Water

Tag#5-62829, 62836, 62832, 62831

Sample Date: 01/07/87

Date Received: 01/12/87

GCL#: 97890

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1, 3-Dichlorobenzene	BDL	10 U ug/l
1, 4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1, 2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2, 4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l

01 0199



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Chloronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l

01 0200



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Auger Rinse Water  
Tag#5-62829, 62836, 62832, 62831  
Sample Date: 01/07/87  
Date Received: 01/12/87  
GCL#: 97890

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## VOLATILE COMPOUNDS

## RESULT DETECTION LIMIT

Volatile Compound	Result	Detection Limit
1,2-Dichloropropane	BDL	50 U ug/1

Trans-1,3-Dichloropropene	BDL	50 U ug/1
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Trichloroethene	BDL	50 U ug/1
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Dibromochloromethane	BDL	50 U ug/1
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1,1,2-Trichloroethane	BDL	50 U ug/1
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Benzene	BDL	50 U ug/1
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cis-1,3-Dichloropropene	BDL	50 U ug/1
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2-Chloroethylvinylether	BDL	100 U ug/1
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Bromoform	BDL	50 U ug/1
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4-Methyl-2-Pentanone	BDL	100 U ug/1
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2-Hexanone	BDL	100 U ug/1
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Tetrachloroethene	BDL	50 ug/1
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1,1,2,2-Tetrachloroethane	BDL	50 U ug/1
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Toluene	BDL	50 U ug/1
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Chlorobenzene	BDL	50 U ug/1
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Ethylbenzene	BDL	50 U ug/1
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Styrene	BDL	50 U ug/1
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Total Xylenes	BDL	150 U ug/1
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#2 Tag #5 62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

Dibromoethane  $\text{ug/l}$

Bis(2-methylpropyl)ether  $\text{ug/l}$

Unknown  $120 \text{ ug/l}$



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 - (219) 885-7077 - (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Pp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## SEMOVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Phenol	BDL	10 U ug/l
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bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
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2-Chlorophenol	BDL	10 U ug/l
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1,3-Dichlorobenzene	BDL	10 U ug/l
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1,4-Dichlorobenzene	BDL	10 U ug/l
---------------------	-----	-----------

Benzyl Alcohol	BDL	10 U ug/l
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1,2-Dichlorobenzene	BDL	10 U ug/l
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2-Methylphenol	BDL	10 U ug/l
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bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
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4-Methylphenol	BDL	10 U ug/l
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N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
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Hexachloroethane	BDL	10 U ug/l
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Nitrobenzene	BDL	10 U ug/l
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Isophorone	BDL	10 U ug/l
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2-Nitrophenol	BDL	50 U ug/l
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2,4-Dimethylphenol	BDL	10 U ug/l
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Benzoic Acid	BDL	50 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 815-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## SEMOVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Chloronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l

01 0206



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## SEMICOLVATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Fluoranthene	BDL	10 U ug/l
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Pyrene	BDL	10 U ug/l
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Butylbenzylphthalate	BDL	10 U ug/l
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3,3'-Dichlorobenzidine	BDL	20 U ug/l
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Benzo(a)Anthracene	BDL	10 U ug/l
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bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
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Chrysene	BDL	10 U ug/l
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Di-n-Octyl Phthalate	BDL	10 U ug/l
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Benzo(b)Fluoranthene	BDL	10 U ug/l
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Benzo(k)Fluoranthene	BDL	10 U ug/l
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Benzo(a)Pyrene	BDL	10 U ug/l
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Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
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Dibenz(a,h)Anthracene	BDL	10 U ug/l
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Benzo(g,h,i)Perylene	BDL	10 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200, (219) 885-7077, (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987  
RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 62646  
5-163409, 163410  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97883

## TENTATIVELY IDENTIFIED COMPOUNDS

Seven (7) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

Unknown	20 ug/l
Unknown	13 ug/l
Unknown	37 ug/l
Unknown	24 ug/l
Unknown	3.6 ug/l
Unknown	9.4 ug/l
Unknown	6.1 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417

Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

## VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Chloromethane	BDL	100 U ug/l
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Bromomethane	BDL	100 U ug/l
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Vinyl Chloride	BDL	100 U ug/l
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Chloroethane	BDL	100 U ug/l
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Methylene Chloride	BDL	50 U ug/l
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Acetone	BDL	100 U ug/l
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Carbon Disulfide	BDL	50 U ug/l
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<del>1,3-Dichloropropane</del>	<del>50</del>	50 ug/l
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<del>1,1-Dichloroethene</del>	<del>50</del>	50 ug/l
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<del>trans-1,2-Dichloroethylene</del>	<del>50</del>	50 ug/l
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Chloroform	BDL	50 U ug/l
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1,2-Dichloroethane	BDL	50 U ug/l
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2-Butanone	BDL	100 U ug/l
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<del>1,1-Dichloroethane</del>	<del>50</del>	2500 ug/l
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Carbon Tetrachloride	BDL	50 U ug/l
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Vinyl Acetate	BDL	100 U ug/l
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Bromodichloromethane	BDL	50 U ug/l
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01 0209



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200, (219) 885-7077, (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	50 U ug/l
Trans-1,3-Dichloropropene	BDL	50 U ug/l
Trichloroethene	BDL	50 U ug/l
Dibromochloromethane	BDL	50 U ug/l
1,1,2-Trichloroethane	BDL	50 U ug/l
Benzene	BDL	50 U ug/l
cis-1,3-Dichloropropene	BDL	50 U ug/l
2-Chloroethylvinylether	BDL	100 U ug/l
Bromoform	BDL	50 U ug/l
4-Methyl-2-Pentanone	BDL	100 U ug/l
2-Hexanone	BDL	100 U ug/l
Tetrachloroethene	BDL	50 U ug/l
1,1,2,2-Tetrachloroethane	BDL	50 U ug/l
Toluene	BDL	50 U ug/l
Chlorobenzene	BDL	50 U ug/l
Ethylbenzene	BDL	50 U ug/l
Styrene	BDL	50 U ug/l
Total Xylenes	BDL	150 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
~~MW#~~ Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

## TENTATIVELY IDENTIFIED COMPOUNDS

Four (4) Volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

<del>1,1,1-trichloroethane</del>	<del>236</del> ug/l
<del>1,1-bis(hydroxymethyl)-4-nitropropane</del>	<del>250</del> ug/dl
<del>1,1-dimethoxyethane</del>	<del>100</del> ug/l
<del>1,1,1,2-tetrachloroethane</del>	<del>65</del> ug/l

01 0211



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1,3-Dichlorobenzene	BDL	10 U ug/l
1,4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1,2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2,4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l

01 0212



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7532

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Choronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l

01 0213



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 685-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l

01 0214



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#3 Tag #5-62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97884

## SEMICVOLATILE COMPOUNDS RESULT DETECTION LIMIT

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l

Pyrene	BDL	10 U ug/l
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Butylbenzylphthalate	BDL	10 U ug/l
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3, 3'-Dichlorobenzidine	BDL	20 U ug/l
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Benzo(a)Anthracene	BDL	10 U ug/l
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bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
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Chrysene	BDL	10 U ug/l
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Di-n-Octyl Phthalate	BDL	10 U ug/l
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Benzo(b)Fluoranthene	BDL	10 U ug/l
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Benzo(k)Fluoranthene	BDL	10 U ug/l
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Benzo(a)Pyrene	BDL	10 U ug/l
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Indeno(1, 2, 3-cd)Pyrene	BDL	10 U ug/l
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Dibenz(a, h)Anthracene	BDL	10 U ug/l
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Benzo(g, h, i)Perylene	BDL	10 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RF: Accra Pac Prp Removal  
MW#31 Tag #5 62841, 62842  
163416, 163417  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97841

## TENTATIVELY IDENTIFIED COMPOUNDS

Eleven (11) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

Unknown	13 ug/l
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Unknown	4.2 ug/l
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Unknown	4.7 ug/l
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Unknown	3.8 ug/l
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Unknown	44 ug/l
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Unknown	21 ug/l
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Unknown	4.8 ug/l
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Unknown	5.1 ug/l
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Unknown	3.9 ug/l
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Unknown	3.6 ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra-Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

## VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Chloromethane	BDL	100 U ug/1
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Bromomethane	BDL	100 U ug/1
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Vinyl Chloride	BDL	100 U ug/1
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Chloroethane	BDL	100 U ug/1
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Methylene Chloride	BDL	50 U ug/1
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Acetone	BDL	100 U ug/1
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Carbon Disulfide	BDL	50 U ug/1
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1,1-Dichloroethene	490	50 ug/1
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1,1-Dichloroethane	6100	50 ug/1
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1,1-Diphenyl-1,2-diphenoxyethane	350	50 ug/1
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Chloroform	BDL	50 U ug/1
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1,2-Dichloroethane	BDL	50 U ug/1
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2-Butanone	BDL	100 U ug/1
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1,1,1-Trichloroethane	9700	2500 ug/1
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Carbon Tetrachloride	BDL	50 U ug/1
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Vinyl Acetate	BDL	100 U ug/1
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Bromodichloromethane	BDL	50 U ug/1
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1, 2-Dichloropropane	BDL	50 U ug/1
Trans-1, 3-Dichloropropene	BDL	50 U ug/1
Trichloroethene	BDL	50 U ug/1
Dibromochloromethane	BDL	50 U ug/1
1, 1, 2-Trichloroethane	BDL	50 U ug/1
Benzene	BDL	50 U ug/1
cis-1, 3-Dichloropropene	BDL	50 U ug/1
2-Chloroethylvinylether	BDL	100 U ug/1
Bromoform	BDL	50 U ug/1
4-Methyl-2-Pentanone	BDL	100 U ug/1
2-Hexanone	BDL	100 U ug/1
Perchloroethylene	60	50 U ug/1
1, 1, 2, 2-Tetrachloroethane	BDL	50 U ug/1
Perfume	24.8	50 U ug/1
Chlorobenzene	BDL	50 U ug/1
Ethylbenzene	90	50 U ug/1
Styrene	BDL	50 U ug/1
Total Xylenes	680	150 U ug/1



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

## TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

Dodecylbenzenesulfonate	200 ug/l
2,2-dichloropropane	320 ug/l
1,1,2-trichloro-1,2,2-trifluoroethane	3500 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Pp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1,3-Dichlorobenzene	BDL	10 U ug/l
1,4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1,2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2,4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844-62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	13	10 ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	12	10 ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Chloronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 • (219) 885-7077 • (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Pp Removal

MW#4 Tag #5-62844, 62843  
163414, 163415

Sample Date: 01/08/87

Date Received: 01/12/87

GCL#: 97885

## SEMI-VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	10	10 ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phone: (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#2 Tag #5-62645, 162646  
5-163409, 163410  
Sample Date: 1/01/87  
Date Received: 01/12/87  
GCL#: 97883

## VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Chloromethane	BDL	100 U ug/l
Bromomethane	BDL	100 U ug/l
Vinyl Chloride	BDL	100 U ug/l
Chloroethane	BDL	100 U ug/l
Methylene Chloride	BDL	50 U ug/l
Acetone	BDL	100 U ug/l
Carbon Disulfide	BDL	50 U ug/l
1,1-Dichloroethene	BDL	50 U ug/l
1,1-Dichloroethane	BDL	50 ug/l
trans-1,2-Dichloroethylene	BDL	50 ug/l
Chloroform	BDL	50 U ug/l
1,2-Dichloroethane	BDL	50 U ug/l
2-Butanone	BDL	100 U ug/l
1,1-Dichloroethane	BDL	100 U ug/l
Carbon Tetrachloride	BDL	50 U ug/l
Vinyl Acetate	BDL	100 U ug/l
Bromodichloromethane	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7538

## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

## SEMICVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

Fluoranthene	BDL	10 U ug/l
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Pyrene	BDL	10 U ug/l
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Butylbenzylphthalate	BDL	10 U ug/l
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3,3'-Dichlorobenzidine	BDL	20 U ug/l
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Benzo(a)Anthracene	BDL	10 U ug/l
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bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
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Chrysene	BDL	10 U ug/l
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Di-n-Octyl Phthalate	BDL	10 U ug/l
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Benzo(b)Fluoranthene	BDL	10 U ug/l
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Benzo(k)Fluoranthene	BDL	10 U ug/l
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Benzo(a)Pyrene	BDL	10 U ug/l
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Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
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Dibenz(a,h)Anthracene	BDL	10 U ug/l
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Benzo(g,h,i)Perylene	BDL	10 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-75

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

## TENTATIVELY IDENTIFIED COMPOUNDS

Fifteen (15) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Methylbenzene	210 ug/l
Tetrachloroethene	11 ug/l
Ethylbenzene	64 ug/l
Dimethyl Benzene	290 ug/l
Dimethyl Benzene	130 ug/l
Propyl Benzene	20 ug/l
Ethylmethyl Benzene	130 ug/l
Trimethyl Benzene	68 ug/l
Unknown Benzene	82 ug/l
Trimethyl Benzene	23 ug/l
Trimethyl Benzene	43 ug/l
Propenyl Benzene	12 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#4 Tag #5-62844, 62843  
163414, 163415  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97885

## TENTATIVELY IDENTIFIED COMPOUNDS

## COMPOUND

## ESTIMATED CONCENTRATION

Unknown 9.4 ug/l

Unknown 58 ug/l

Unknown 34 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	100 U ug/l
Bromomethane	BDL	100 U ug/l
Vinyl Chloride	BDL	100 U ug/l
Chloroethane	BDL	100 U ug/l
Methylene Chloride	BDL	50 U ug/l
Acetone	BDL	100 U ug/l
Carbon Disulfide	BDL	50 U ug/l
1,1-Dichloroethene	BDL	50 U ug/l
1,1-Dichloroethane	BDL	50 U ug/l
trans-1,2-Dichloroethene	440	50 ug/l
Chloroform	BDL	50 U ug/l
1,2-Dichloroethane	BDL	50 U ug/l
2-Butanone	BDL	100 U ug/l
1,1-Trichloroethane	3400	100 ug/l
Carbon Tetrachloride	BDL	50 U ug/l
Vinyl Acetate	BDL	100 U ug/l
Bromodichloromethane	BDL	50 U ug/l



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## ANALYTICAL REPORT

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666 West Dundee Road  
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ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	50 U ug/1
Trans-1,3-Dichloropropene	BDL	50 U ug/1
Trichloroethene	BDL	50 U ug/1
Dibromochloromethane	BDL	50 U ug/1
1,1,2-Trichloroethane	BDL	50 U ug/1
Benzene	BDL	50 U ug/1
cis-1,3-Dichloropropene	BDL	50 U ug/1
2-Chloroethylvinylether	BDL	100 U ug/1
Bromoform	BDL	50 U ug/1
4-Methyl-2-Pentanone	BDL	100 U ug/1
2-Hexanone	BDL	100 U ug/1
Tetrachloroethene	100	50 ug/1
1,1,2,2-Tetrachloroethane	BDL	50 U ug/1
Toluene	BDL	50 U ug/1
Chlorobenzene	BDL	50 U ug/1
Ethylbenzene	BDL	50 U ug/1
Styrene	BDL	50 U ug/1
Total Xylenes	BDL	150 U ug/1

01 0228



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

TENTATIVELY IDENTIFIED COMPOUNDS

Four (4) Volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND

ESTIMATED CONCENTRATION

Dichloromethane

Trichloroethylene

1,1,2,2-Tetrachloro-1,2,2-trifluoroethane

Dimethylbenzene



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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## ANALYTICAL REPORT

To: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987  
RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1,3-Dichlorobenzene	BDL	10 U ug/l
1,4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1,2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2,4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l

01 0230



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7538

## ANALYTICAL REPORT

To: Weston Services, Inc.  
668 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

## SEMOVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l

2,4-Dichlorophenol	BDL	10 U ug/l
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1,2,4-Trichlorobenzene	BDL	10 U ug/l
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Naphthalene	BDL	10 U ug/l
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4-Chloroaniline	BDL	10 U ug/l
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Hexachlorobutadiene	BDL	10 U ug/l
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4-Chloro-3-Methylphenol	BDL	10 U ug/l
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2-Methylnaphthalene	BDL	10 U ug/l
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Hexachlorocyclopentadiene	BDL	10 U ug/l
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2,4,6-Trichlorophenol	BDL	10 U ug/l
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2,4,5-Trichlorophenol	BDL	50 U ug/l
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2-Chloronaphthalene	BDL	10 U ug/l
---------------------	-----	-----------

2-Nitroaniline	BDL	50 U ug/l
----------------	-----	-----------

Dimethyl Phthalate	BDL	10 U ug/l
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Acenaphthylene	BDL	10 U ug/l
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3-Nitroaniline	BDL	50 U ug/l
----------------	-----	-----------

Acenaphthene	BDL	10 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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## ANALYTICAL REPORT

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666 West Dundee Road  
Northbrook, Illinois 60062

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MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

## SEMOVOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

2,4-Dinitrophenol	BDL	50 U ug/l
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4-Nitrophenol	BDL	50 U ug/l
---------------	-----	-----------

Dibenzofuran	BDL	10 U ug/l
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2,4-Dinitrotoluene	BDL	10 U ug/l
--------------------	-----	-----------

2,6-Dinitrotoluene	BDL	10 U ug/l
--------------------	-----	-----------

Diethylphthalate	BDL	10 U ug/l
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4-Chlorophenyl-phenylether	BDL	10 U ug/l
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Fluorene	BDL	10 U ug/l
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4-Nitroaniline	BDL	50 U ug/l
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4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
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N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
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4-Bromophenyl-phenylether	BDL	10 U ug/l
---------------------------	-----	-----------

Hexachlorobenzene	BDL	10 U ug/l
-------------------	-----	-----------

Pentachlorophenol	BDL	50 U ug/l
-------------------	-----	-----------

Phenanthrene	BDL	10 U ug/l
--------------	-----	-----------

Anthracene	BDL	10 U ug/l
------------	-----	-----------

Di-n-Butylphthalate	BDL	10 U ug/l
---------------------	-----	-----------



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## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

SEMIVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3,3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g,h,i)Perylene	BDL	10 U ug/l



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## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 26, 1987

ATTN: Ms. Sally Matz

RE: Accra Pac Prp Removal  
MW#5 Tag #5-62845, 62846  
163411, 163412  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97886

## TENTATIVELY IDENTIFIED COMPOUNDS

Five (5) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

~~Tetrachloroethene~~~~21 ug/l~~

Unknown

12 ug/l

Unknown

51 ug/l

Unknown

33 ug/l

Unknown

5.4 ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

## VOLATILE COMPOUNDS

## RESULT

## DETECTION LIMIT

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l

Trans-1,3-Dichloropropene	BDL	5 U ug/l
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Trichloroethene	BDL	5 U ug/l
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Dibromochloromethane	BDL	5 U ug/l
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1,1,2-Trichloroethane	BDL	5 U ug/l
-----------------------	-----	----------

Benzene	BDL	5 U ug/l
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cis-1,3-Dichloropropene	BDL	5 U ug/l
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2-Chloroethylvinylether	BDL	10 U ug/l
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Bromoform	BDL	5 U ug/l
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4-Methyl-2-Pentanone	BDL	10 U ug/l
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2-Hexanone	BDL	10 U ug/l
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Tetrachloroethene	BDL	5 U ug/l
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1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
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Toluene	BDL	5 U ug/l
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Chlorobenzene	BDL	5 U ug/l
---------------	-----	----------

Ethylbenzene	BDL	5 U ug/l
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Styrene	BDL	5 U ug/l
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Total Xylenes	BDL	15 U ug/l
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GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (215) 723-75

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

## TENTATIVELY IDENTIFIED COMPOUNDS

No Volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
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Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Phenol	BDL	10 U ug/l
bis(-2-Chloroethyl)Ether	BDL	10 U ug/l
2-Chlorophenol	BDL	10 U ug/l
1,3-Dichlorobenzene	BDL	10 U ug/l
1,4-Dichlorobenzene	BDL	10 U ug/l
Benzyl Alcohol	BDL	10 U ug/l
1,2-Dichlorobenzene	BDL	10 U ug/l
2-Methylphenol	BDL	10 U ug/l
bis(2-chloroisopropyl)Ether	BDL	10 U ug/l
4-Methylphenol	BDL	10 U ug/l
N-Nitroso-Di-n-Propylamine	BDL	10 U ug/l
Hexachloroethane	BDL	10 U ug/l
Nitrobenzene	BDL	10 U ug/l
Isophorone	BDL	10 U ug/l
2-Nitrophenol	BDL	50 U ug/l
2,4-Dimethylphenol	BDL	10 U ug/l
Benzoic Acid	BDL	50 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

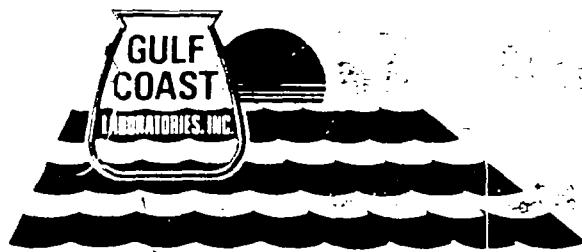
ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

SEMOVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
bis(-2-Chloroethoxy)Methane	BDL	10 U ug/l
2,4-Dichlorophenol	BDL	10 U ug/l
1,2,4-Trichlorobenzene	BDL	10 U ug/l
Naphthalene	BDL	10 U ug/l
4-Chloroaniline	BDL	10 U ug/l
Hexachlorobutadiene	BDL	10 U ug/l
4-Chloro-3-Methylphenol	BDL	10 U ug/l
2-Methylnaphthalene	BDL	10 U ug/l
Hexachlorocyclopentadiene	BDL	10 U ug/l
2,4,6-Trichlorophenol	BDL	10 U ug/l
2,4,5-Trichlorophenol	BDL	50 U ug/l
2-Choronaphthalene	BDL	10 U ug/l
2-Nitroaniline	BDL	50 U ug/l
Dimethyl Phthalate	BDL	10 U ug/l
Acenaphthylene	BDL	10 U ug/l
3-Nitroaniline	BDL	50 U ug/l
Acenaphthene	BDL	10 U ug/l

01 0209



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

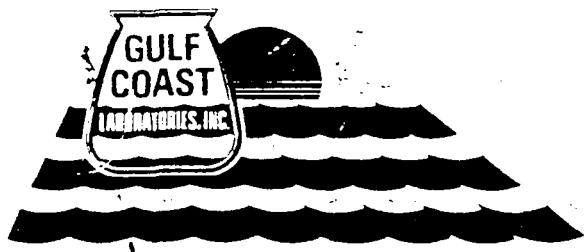
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
2,4-Dinitrophenol	BDL	50 U ug/l
4-Nitrophenol	BDL	50 U ug/l
Dibenzofuran	BDL	10 U ug/l
2,4-Dinitrotoluene	BDL	10 U ug/l
2,6-Dinitrotoluene	BDL	10 U ug/l
Diethylphthalate	BDL	10 U ug/l
4-Chlorophenyl-phenylether	BDL	10 U ug/l
Fluorene	BDL	10 U ug/l
4-Nitroaniline	BDL	50 U ug/l
4,6-Dinitro-2-Methylphenol	BDL	50 U ug/l
N-Nitrosodiphenylamine(1)	BDL	10 U ug/l
4-Bromophenyl-phenylether	BDL	10 U ug/l
Hexachlorobenzene	BDL	10 U ug/l
Pentachlorophenol	BDL	50 U ug/l
Phenanthrene	BDL	10 U ug/l
Anthracene	BDL	10 U ug/l
Di-n-Butylphthalate	BDL	10 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

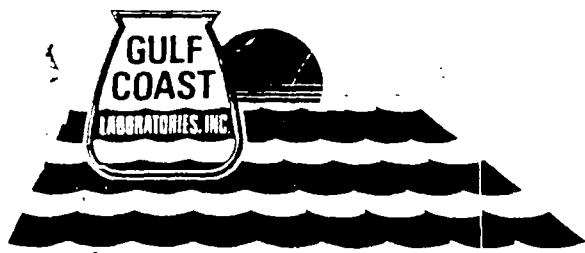
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 26, 1987

RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

SEMICVOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Fluoranthene	BDL	10 U ug/l
Pyrene	BDL	10 U ug/l
Butylbenzylphthalate	BDL	10 U ug/l
3,3'-Dichlorobenzidine	BDL	20 U ug/l
Benzo(a)Anthracene	BDL	10 U ug/l
bis(2-Ethylhexyl)Phthalate	BDL	10 U ug/l
Chrysene	BDL	10 U ug/l
Di-n-Octyl Phthalate	BDL	10 U ug/l
Benzo(b)Fluoranthene	BDL	10 U ug/l
Benzo(k)Fluoranthene	BDL	10 U ug/l
Benzo(a)Pyrene	BDL	10 U ug/l
Indeno(1,2,3-cd)Pyrene	BDL	10 U ug/l
Dibenz(a,h)Anthracene	BDL	10 U ug/l
Benzo(g,h,i)Perylene	BDL	10 U ug/l



TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

GULF COAST LABORATORIES, INC.  
2417 Bond St., University Park, Illinois 60466  
Phones (312) 534-5200 (219) 885-7077 (815) 723-753

#### ANALYTICAL REPORT

DATE: January 26, 1987

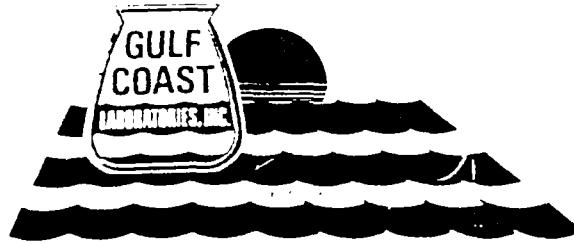
RE: Accra Pac Prp Removal  
Field Blank Tag# 5-163405,  
163406, 163403, 163404  
Sample Date: 01/08/87  
Date Received: 01/12/87  
GCL#: 97887

#### TENTATIVELY IDENTIFIED COMPOUNDS

Four (4) Semivolatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND	ESTIMATED CONCENTRATION
Unknown	12 ug/l
Unknown	130 ug/l
Unknown	39 ug/l
Unknown	6.8 ug/l

01 0243



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

RECEIVED

FEB 02 1987

TAT REG V  
SM

January 27, 1987

Ms. Sally Matz  
Weston Services, Inc.  
666 West Dundee Road  
Northbrook, IL 60062

EAST JACKSON AREA HOMES

Dear Ms. Matz:

Please find enclosed the analytical reports for samples from Accra Pac Prp Monitoring, Project #87CYOL submitted to Gulf Coast Laboratories. They were identified as follows:

GCL#	IDENTIFICATION	SAMPLE DATE
98572	S-26 Tag #5-63253, 63254	1/21/87
98573	S-27 Tag #5-63251, 63252	1/21/87
98574	S-28 Tag #5-63255, 63256	1/21/87
98575	S-29 Tag #5-63257, 63258	1/21/87
98576	S-30 Tag #5-63260, 63261	1/21/87

If you have any questions, please contact our laboratories.

Sincerely,

GULF COAST LABORATORIES, INC.

*John Boudreau*

John Boudreau

JB/sj

Enclosures

01 0243



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 27, 1987

ATTN: Ms. Sally Matz

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-26 Tag #5-63253,63254  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98572

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l

01 0244



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

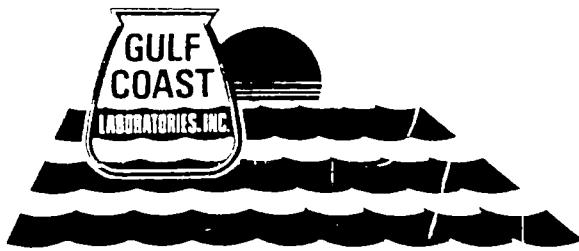
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-26 Tag #5-63253, 63254  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98572

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	59	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 27, 1987

ATTN: Ms. Sally Matz

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-26 Tag #5-63253,63254  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98572

## TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

## ESTIMATED CONCENTRATION

Dichlorofluoromethane 4.5 ug/lv

Trichlorofluoromethane 55 ug/lv

Dimethoxy-methane 12 ug/lv

01 0216



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-27 Tag #5-63251,63252  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98573

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	7	5 ug/l
trans-1,1-Dichloroethane	10	5 ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	180	5 ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7534

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

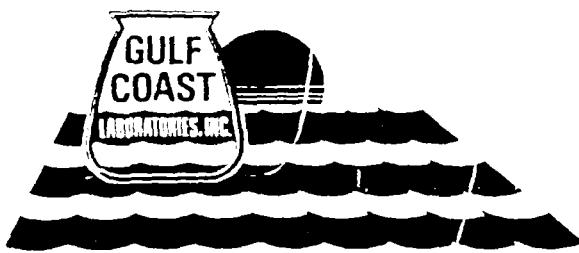
ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CY0L - PO#55225  
Accra Pac Prp Monitoring  
S-27 Tag #5-63251,63252  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98573

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	69	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l

01 0218



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-75

ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CY0L - PO#55225  
Accra Pac Prp Monitoring  
S-27 Tag #5-63251, 63252  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98573

TENTATIVELY IDENTIFIED COMPOUNDS

Two (2) volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

COMPOUND

ESTIMATED CONCENTRATION

~~Trichlorofluoromethane~~ ~~73~~ ~~ug/l~~

~~Dimethoxy-methane~~ ~~14~~ ~~ug/l~~

01 0249



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-753

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

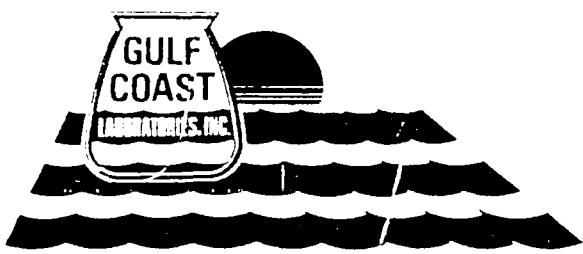
ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-28 Tag #5-63255,63256  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98574

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	BDL	5 U ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	[REDACTED]	[REDACTED] ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	BDL	5 U ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	[REDACTED]	[REDACTED] ug/l

01 0259



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

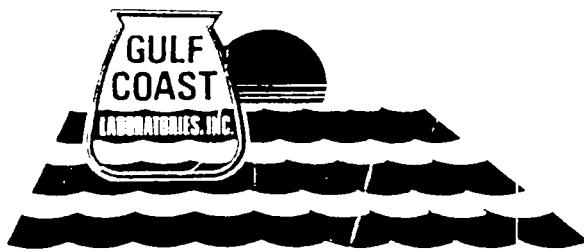
ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-28 Tag #5-63255,63256  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98574

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l

01 0251



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7531

#### ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 27, 1987

ATTN: Ms. Sally Matz

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-28 Tag #5-63255,63256  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98574

#### TENTATIVELY IDENTIFIED COMPOUNDS

No volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

01 0250



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-29 Tag #5-63257,63258  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98575

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	[REDACTED]	[REDACTED] ug/l
Acetone	BDL	10 U ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	[REDACTED]	[REDACTED] ug/l
1,1-Dichloroethane	250	50 ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	1100	50 ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7532

## ANALYTICAL REPORT

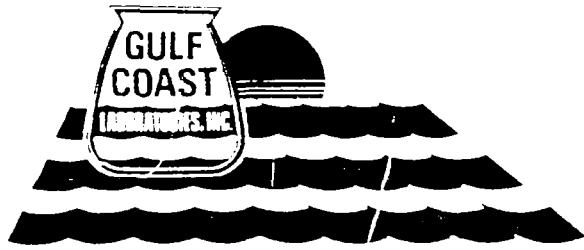
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-29 Tag #5-63257,63258  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98575

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7338

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

DATE: January 27, 1987

ATTN: Ms. Sally Matz

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-29 Tag #5-63257, 63258  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98575

## TENTATIVELY IDENTIFIED COMPOUNDS

Three (3) volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.

## COMPOUND

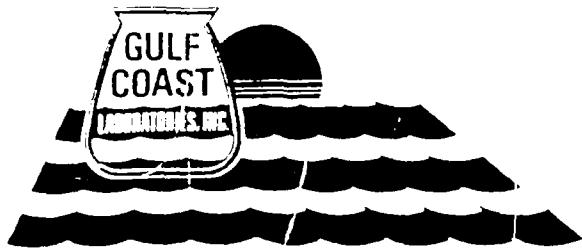
## ESTIMATED CONCENTRATION

Dichlorofluoromethane [REDACTED] ug/l

Trichlorofluoromethane [REDACTED] ug/l

1,1,2-Trichloro-1,2,2-trifluoroethane [REDACTED] ug/l

01 0255



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7535

## ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

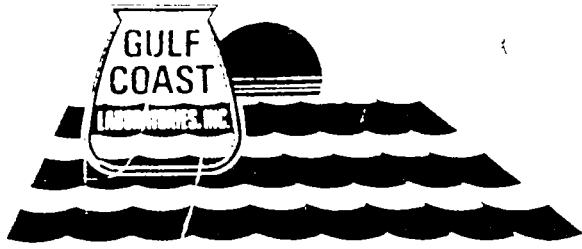
ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-30 Tag #5-63260,63261  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98576

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
Chloromethane	BDL	10 U ug/l
Bromomethane	BDL	10 U ug/l
Vinyl Chloride	BDL	10 U ug/l
Chloroethane	BDL	10 U ug/l
Methylene Chloride	7	5 ug/l
Acetone	18	10 ug/l
Carbon Disulfide	BDL	5 U ug/l
1,1-Dichloroethene	BDL	5 U ug/l
1,1-Dichloroethane	BDL	5 U ug/l
Trans-1,2-Dichloroethene	BDL	5 U ug/l
Chloroform	BDL	5 U ug/l
1,2-Dichloroethane	BDL	5 U ug/l
2-Butanone	BDL	10 U ug/l
1,1,1-Trichloroethane	6	5 ug/l
Carbon Tetrachloride	BDL	5 U ug/l
Vinyl Acetate	BDL	10 U ug/l
Bromodichloromethane	BDL	5 U ug/l ;

01 0256



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (215) 723-7631

## ANALYTICAL REPORT

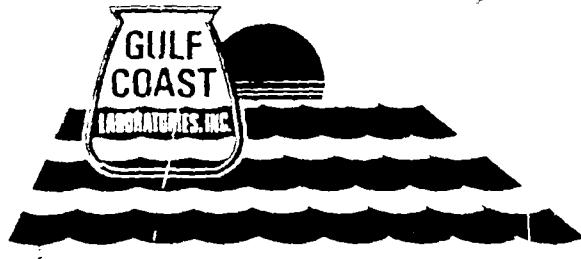
TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-30 Tag #5-63260,63261  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98576

VOLATILE COMPOUNDS	RESULT	DETECTION LIMIT
1,2-Dichloropropane	BDL	5 U ug/l
Trans-1,3-Dichloropropene	BDL	5 U ug/l
Trichloroethene	BDL	5 U ug/l
Dibromochloromethane	BDL	5 U ug/l
1,1,2-Trichloroethane	BDL	5 U ug/l
Benzene	BDL	5 U ug/l
cis-1,3-Dichloropropene	BDL	5 U ug/l
2-Chloroethylvinylether	BDL	10 U ug/l
Bromoform	BDL	5 U ug/l
4-Methyl-2-Pentanone	BDL	10 U ug/l
2-Hexanone	BDL	10 U ug/l
Tetrachloroethene	BDL	5 U ug/l
1,1,2,2-Tetrachloroethane	BDL	5 U ug/l
Toluene	BDL	5 U ug/l
Chlorobenzene	BDL	5 U ug/l
Ethylbenzene	BDL	5 U ug/l
Styrene	BDL	5 U ug/l
Total Xylenes	BDL	15 U ug/l



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Weston Services, Inc.  
666 West Dundee Road  
Northbrook, Illinois 60062

ATTN: Ms. Sally Matz

DATE: January 27, 1987

RE: Project #87CYOL - PO#55225  
Accra Pac Prp Monitoring  
S-30 Tag #5-63260, 63261  
Sample Date: 01/21/87  
Date Received: 01/23/87  
GCL#: 98576

TENTATIVELY IDENTIFIED COMPOUNDS

No volatile compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any priority pollutants, surrogates or internal standards.



GULF COAST LABORATORIES, INC.

2417 Bend St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

The following is a list of flags that Gulf Coast Laboratories frequently uses on our analytical reports. All flags may not be applicable for the enclosed reports.

- B - Indicates the compound was found in the blank as well as the sample, it indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - Severe matrix interference
- D - Result is on a dry weight basis
- J - Indicates an estimated value which is below detection limit
- P - Peaks present but do not appear to be PCBs
- U - Indicates compound was analyzed for but not detected
- R - Spike recovery not within control limit
- W - Result is on an "as is basis" (wet weight)
- \* - Duplicate not within control limits
- + - Correlation coefficient for MSA < 0.995
- BDL - Below Detection Limit

WESTON

ATTACHMENT D

MONITOR WELL LOGS AND WELL CONSTRUCTION  
FORMER ACCRA PAC SITE  
ELKHART, INDIANA

TEST DRILLING, INC.

## FIELD BORING LOG

01 026

Sheet 1 of 1

Job No. 975

Boring No. CW-3

Weston Mel's Equipment

Elkhart, IN

Elev.

No drilling  
After casing removal  
After casing removal

11.0'

Time after drilling

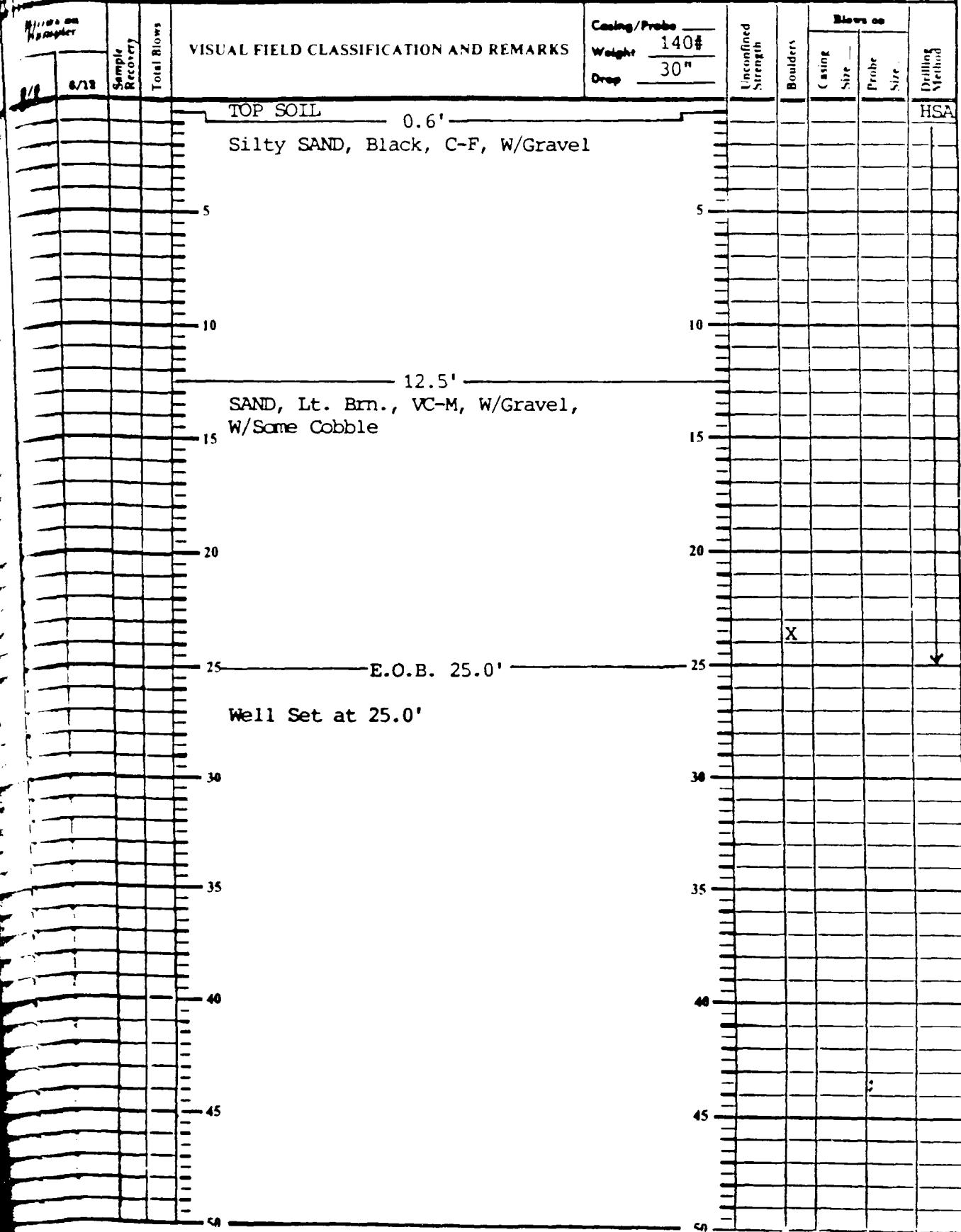
Depth to water

Depth to cave-in

Start 1-7-87

Unit D-50

Chief M.P.



WELL DRILLING INFORMATION SHEET

JOB NO. 975

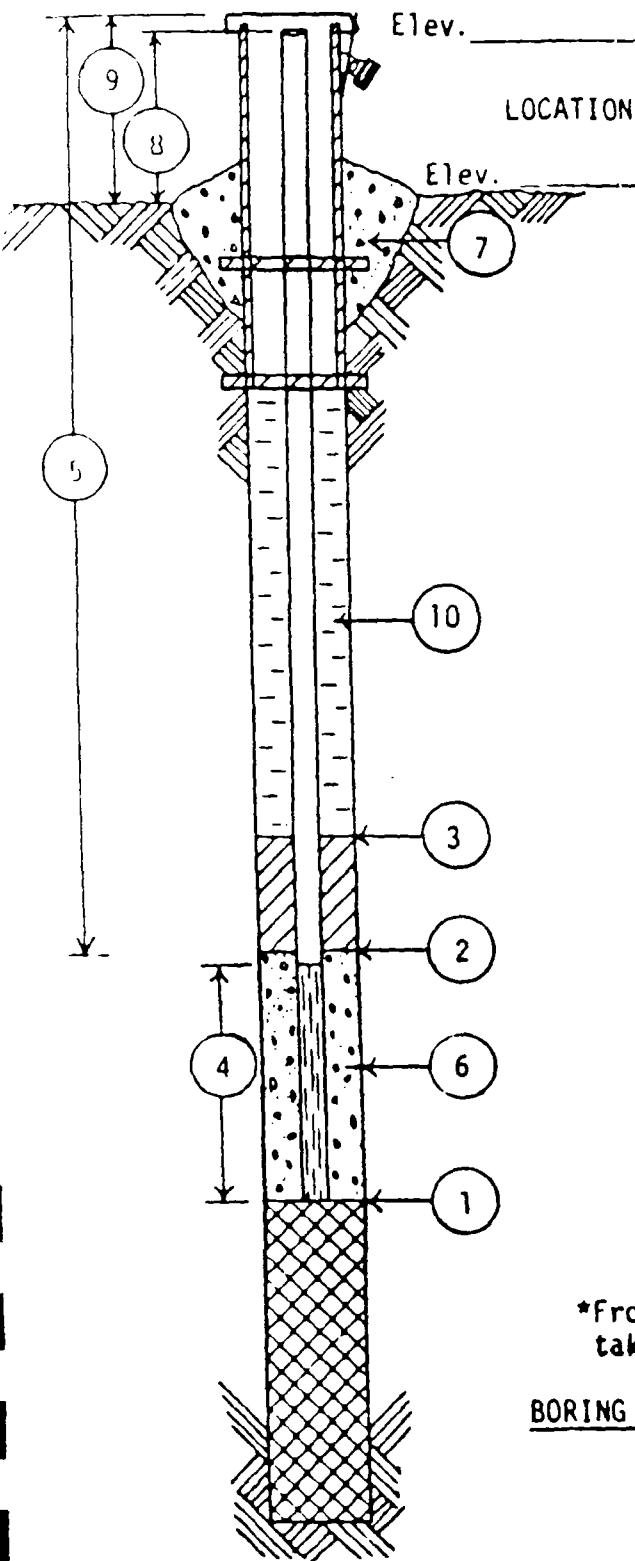
BORING NO. OW-3

DATE 1-7-86

CHIEF M.P.

LOCATION Mel's Equipment, Elkart, IN

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.



- (1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 25.0' FEET.
- (2) DEPTH OF BOTTOM OF SEAL (if installed) 13.0' FEET.
- (3) DEPTH TO TOP OF SEAL (if installed) 11.0' FEET.
- (4) LENGTH OF WELL POINT, PVC WELL SCREEN, OR SLOTTED PIPE 10.0' FEET. (Circle One)
- (5) TOTAL LENGTH OF PIPE 17.5' FEET @ 2" IN. DIAMETER.
- (6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
- (7) CONCRETE CAP,  YES  NO (Circle One)
- (8) HEIGHT OF WELL CASING ABOVE GROUND 2.5' FEET.
- (9) PROTECTIVE CASING?  YES  NO (Circle One)  
HEIGHT ABOVE GROUND 2.6'  
LOCKING CAP?  YES  NO (Circle One)
- (10) TYPE OF BACKFILL: Cement-Bentonite Grout

WATER LEVEL CHECKS

\*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS
				:

WISCONSIN TEST DRILLING, INC.

## FIELD BORING LOG

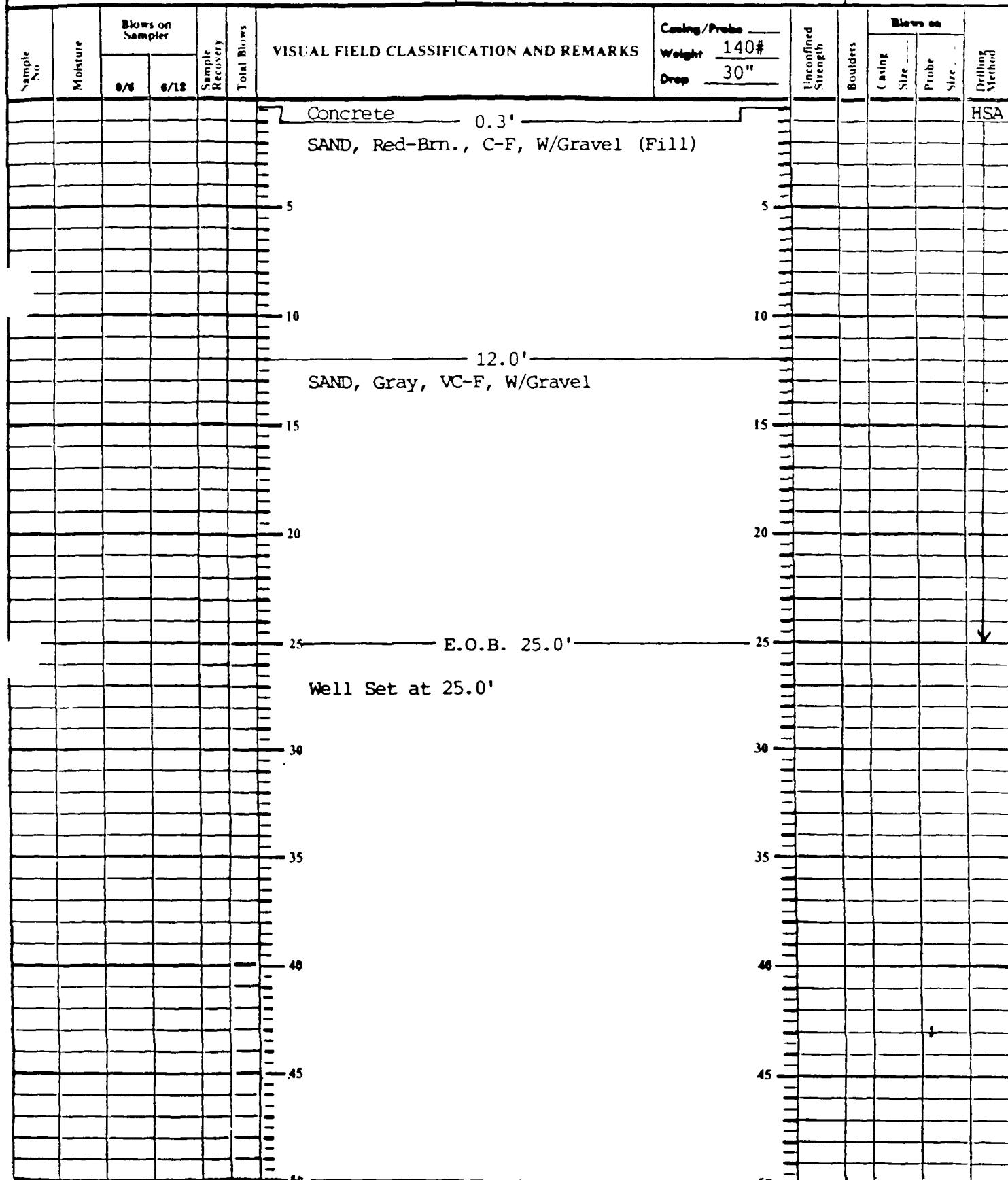
01 0203

Sheet 1 of 1

SCHOFIELD, WISCONSIN  
 FOR Roy F. Weston Mel's Equipment  
 LOCATION Elkart, IN

Job No. 975  
 Boring No. OW-4

GROUND	While drilling	9.0'	Time after drilling		Start	1-7-87
WATER	Before casing removal		Depth to water		Unit	D-50
	After casing removal		Depth to cave-in		Chief	M.P.



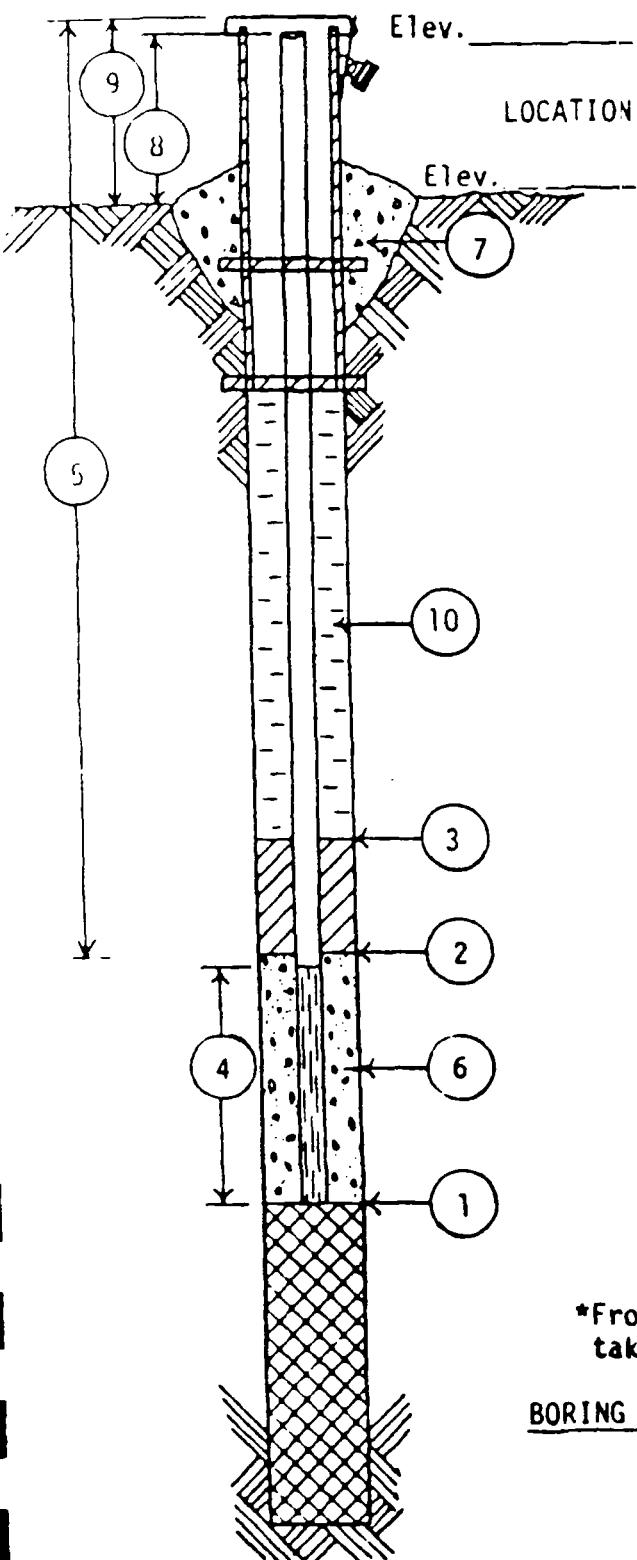
WELL DETAIL INFORMATION SHEET

JOB NO. 975

BORING NO. OW-4

DATE 1-7-87

CHIEF M.P.



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

- (1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 25.0' FEET.
- (2) DEPTH OF BOTTOM OF SEAL (if installed) 13.0' FEET.
- (3) DEPTH TO TOP OF SEAL (if installed) 11.0' FEET.
- (4) LENGTH OF WELL POINT, PVC WELL SCREEN, OR SLOTTED PIPE 10.0' FEET. (Circle One)
- (5) TOTAL LENGTH OF PIPE 17.0' FEET @ 2" IN. DIAMETER.
- (6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
- (7) CONCRETE CAP,  YES  NO (Circle One)
- (8) HEIGHT OF WELL CASING ABOVE GROUND 2.0' FEET.
- (9) PROTECTIVE CASING?  YES  NO (Circle One)  
HEIGHT ABOVE GROUND 2.1'.  
LOCKING CAP?  YES  NO (Circle One)
- (10) TYPE OF BACKFILL: Flint Sand

WATER LEVEL CHECKS

\*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING, INC.

## FIELD BORING LOG

Sheet 1 OF 1

SCHOFIELD, WISCONSIN

FOR Roy F. Weston Mel's Equipment

LOCATION Elkart, IN

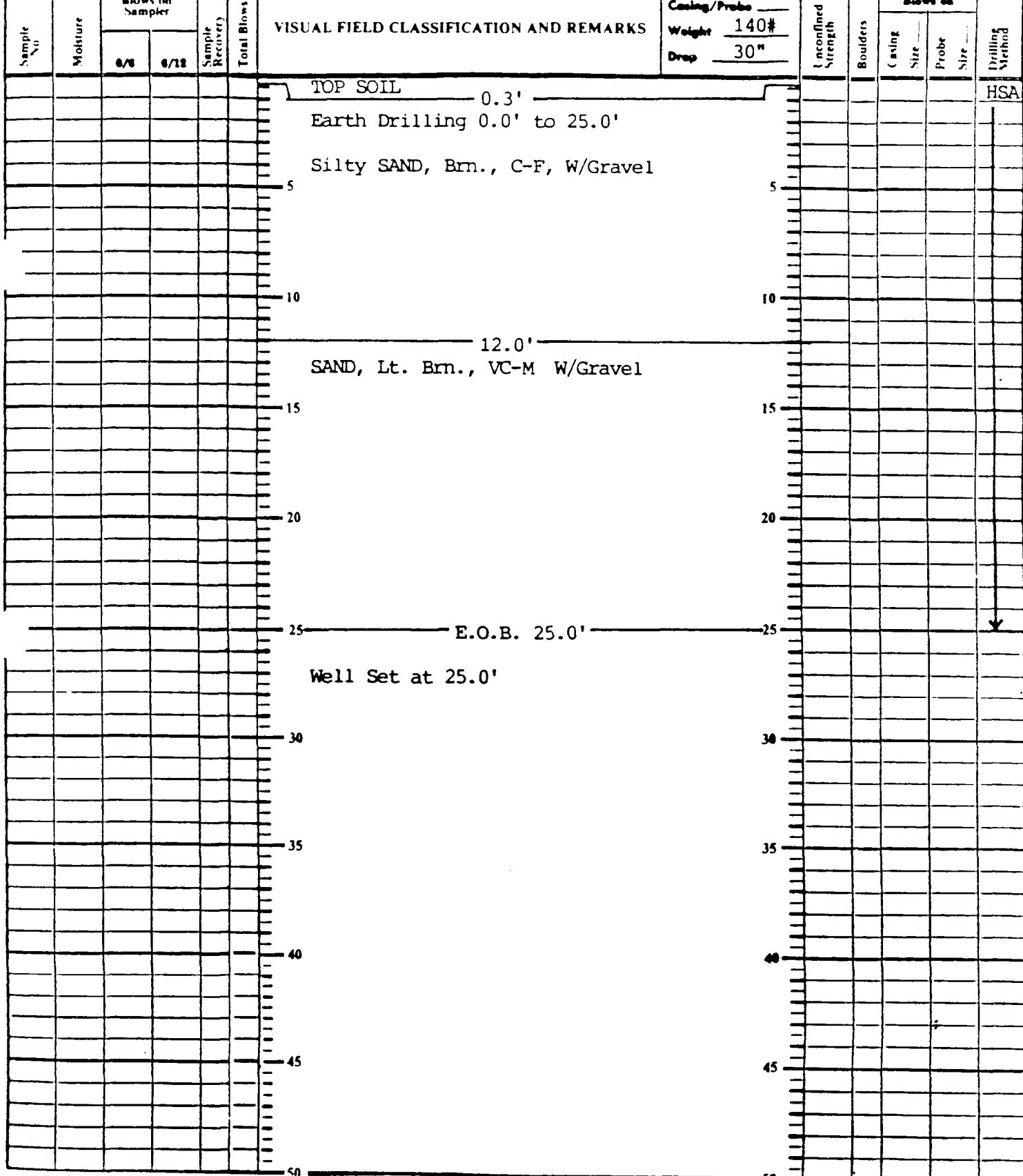
Elev.

Job No. 975

Boring No. MW-1

GROUND While drilling	6.5'	Time after drilling		Start	1-6-87
WATER Before casing removal		Depth to water		Unit	D-50

WATER After casing removal		Depth to cave-in		Chief	M. P.
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## WELL DETAIL INFORMATION SHEET

01 0265

JOB NO. 975

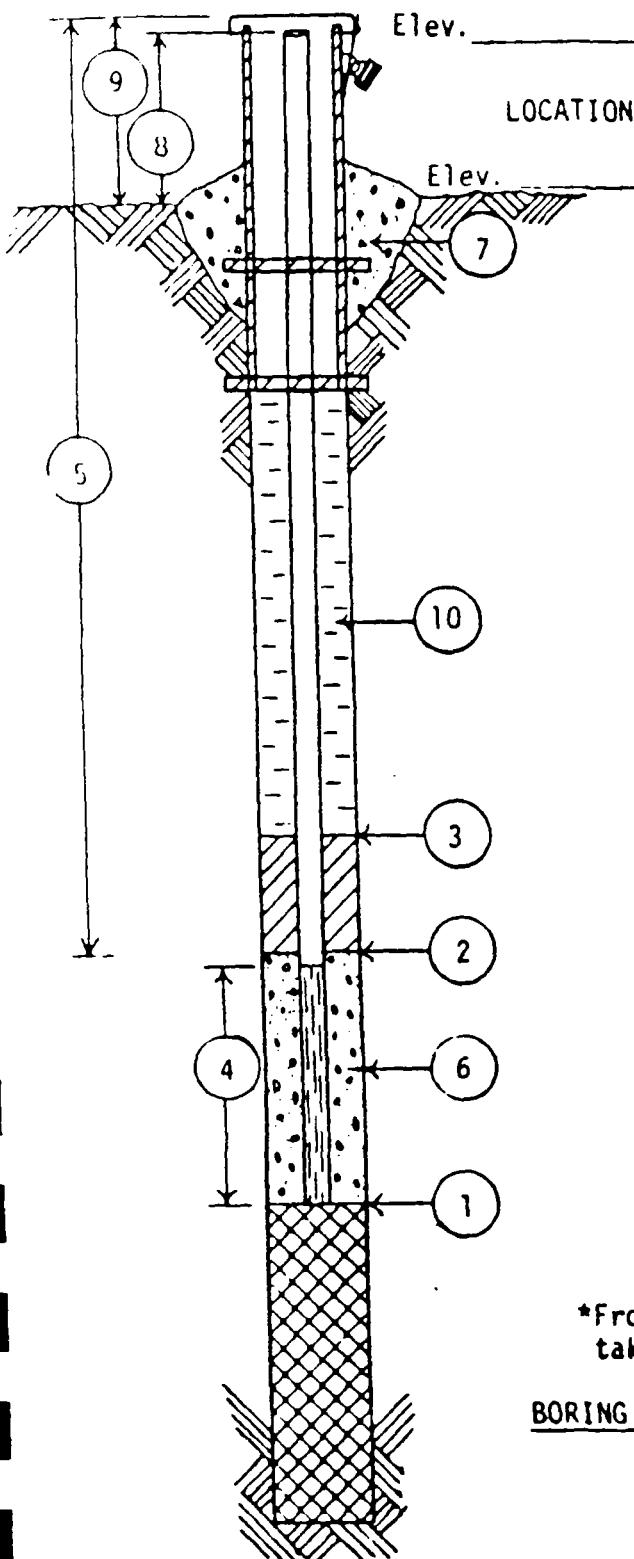
BORING NO. MW-1

DATE 1-6-87

CHIEF M.P.

Mel's Equipment, Elkhart, IN

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.



- 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 25.0' FEET.
- 2 DEPTH OF BOTTOM OF SEAL (if installed) 13.0' FEET.
- 3 DEPTH TO TOP OF SEAL (if installed) 11.0' FEET.
- 4 LENGTH OF WELL POINT, PVC WELL SCREEN, OR SLOTTED PIPE 10.0' FEET. (Circle One)
- 5 TOTAL LENGTH OF PIPE 18.0' FEET @ 2" IN. DIAMETER.
- 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
- 7 CONCRETE CAP.  YES  NO (Circle One)
- 8 HEIGHT OF WELL CASING ABOVE GROUND 3.0' FEET.
- 9 PROTECTIVE CASING?  YES  NO (Circle One)  
HEIGHT ABOVE GROUND 3.1'.  
LOCKING CAP?  YES  NO (Circle One)
- 10 TYPE OF BACKFILL: Cement-Bentonite Grout

WATER LEVEL CHECKS

\*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

WISCONSIN TEST DRILLING, INC.

## FIELD BORING LOG

01 0266

Sheet 1

Of 1

SCHOFIELD, WISCONSIN

FOR Roy F. Weston Mel's Equipment

LOCATION Elkart, IN

Elev.

Job No. 975

Boring No. CW-2

GROUND While drilling		9.5'	Time after drilling				Start 1-7-87
WATER	Before casing removal		Depth to water	Depth to cave-in			Unit D-50
	After casing removal						Chief M.P.
Sample No.	Moisture	Blows on Sampler	Sample Recovery	Total Blows	Visual Field Classification and Remarks	Casing/Probe Weight 140# Drop 30"	Unconfined Strength Boulders
		0/6	6/18				Casing Size Probe Size
					TOP SOIL 0.3'		
					SAND, Red-Brown., C-F, W/Some Silt, W/Gravel		
					5		
					10		
					11.0'		
					SAND, Lt. Brown., VC-M, W/Gravel, Occas. Cobble		
					15		
					20		
					25	E.O.B. 25.0'	25
					Well Set at 25.0'		
					30		
					35		
					40		
					45		
					50		

## WELL DETAIL INFORMATION SHEET

JOB NO. 975

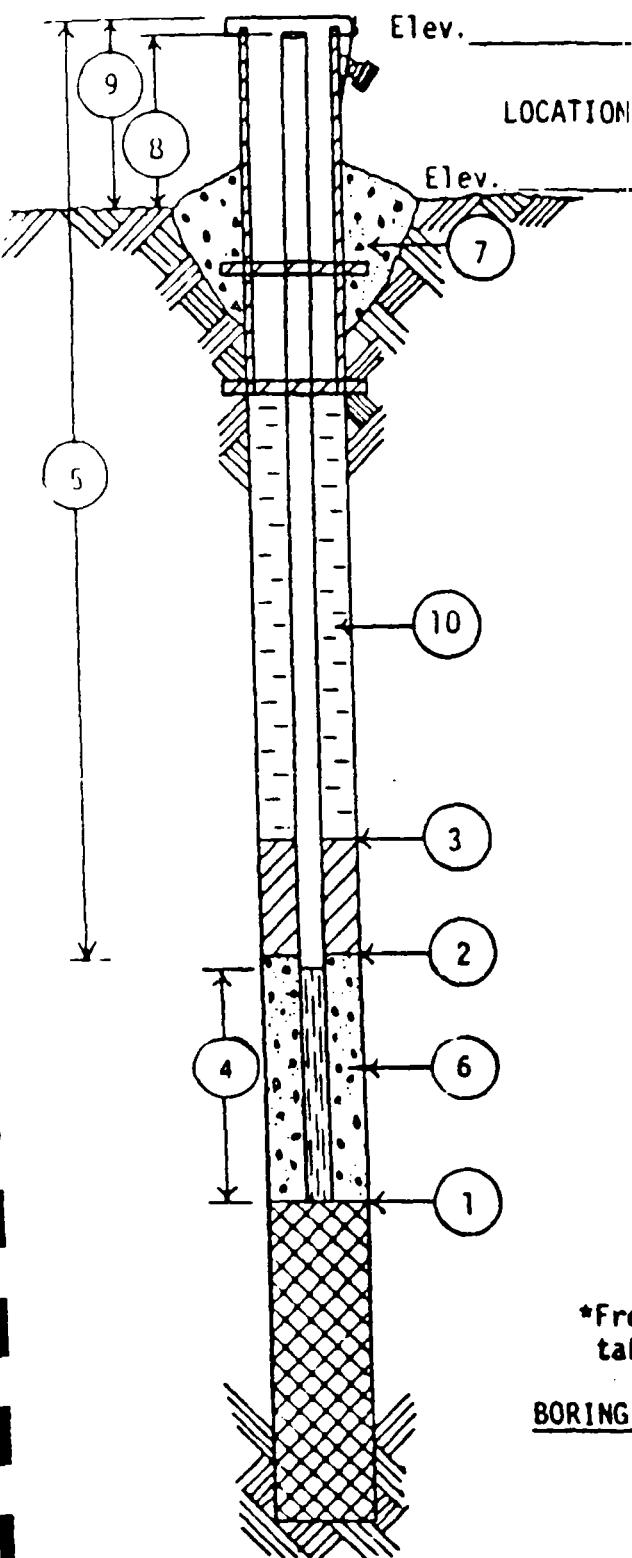
BORING NO. OW-2

DATE 1-7-87

CHIEF M.P.

LOCATION Mel's Equipment, Elkhart, IN

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.



- 1 DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 25.0' FEET.
- 2 DEPTH OF BOTTOM OF SEAL (if installed) 13.0' FEET.
- 3 DEPTH TO TOP OF SEAL (if installed) 11.0' FEET.
- 4 LENGTH OF WELL POINT, PVC WELL SCREEN, OR SLOTTED PIPE 10.0' FEET. (Circle One)
- 5 TOTAL LENGTH OF PIPE 17.0' FEET @ 2" IN. DIAMETER.
- 6 TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
- 7 CONCRETE CAP,  YES,  NO (Circle One)
- 8 HEIGHT OF WELL CASING ABOVE GROUND 2.0' FEET.
- 9 PROTECTIVE CASING?  YES,  NO (Circle One)  
HEIGHT ABOVE GROUND 2.1'  
LOCKING CAP?  YES,  NO (Circle One)
- 10 TYPE OF BACKFILL: Cement-Bentonite Grout

WATER LEVEL CHECKS

\*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS